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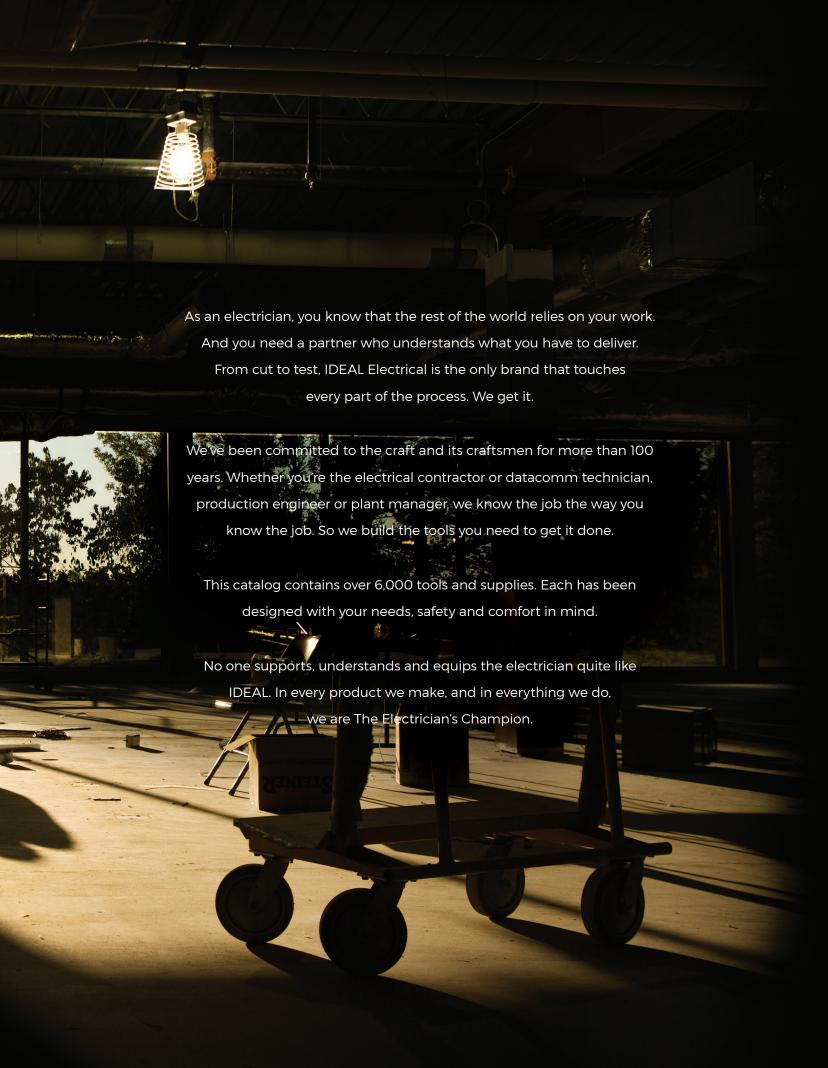


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WIRE TERMINATION

INGENUITY & PERFORMANCE

From the introduction of our first twist-on wire connector in 1924, IDEAL has been the leading force in wire termination technology. Through ingenuity, proven performance and innovative engineering, IDEAL continues to lead the electrical industry with products that deliver more than the price paid.

TWIST-ON WIRE CONNECTORS

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TWIST-ON WIRE CONNECTORS... A DESIGN FOR EVERY APPLICATION.

Wire-Nut® Wire Connectors - The American Classic Since 1928

This American classic is the original connector that started it all. The Wire-Nut® Wire Connector has five color-coded models that cover a full range of applications from 20 to 6 AWG. The ribbed shell provides a positive grip and the fixed, square-wire spring provides a secure connection.



Wing-Nut® Wire Connectors - High-Leverage Wing

For extra leverage and superior torque, the Wing-Nut® Wire Connector provides an easy, secure grip when connecting a wide range of wires. The specially designed contoured wings make for extra torque and quick work on any electrical job. Three models cover from 18 to 6 AWG and include, the **Red 452® Wing-Nut® with the widest range of any wing-styled connector in the industry**.



Twister® Wire Connectors - Comfortable, Swept Wing

The industry's choice for comfort. With three models, the Twister® Wire Connector easily handles the most common wiring configurations for residential construction projects from 22 to 6 AWG. A patented, expanding square-wire spring helps to ensure a quick, secure connection. The Twister® Pro Red/Yellow 344® Wire connector has the widest range in the industry.



B-CAP® Wire Connectors - Low-Profile Fin

The B-CAP® Wire Connector gets you into those hard-to-reach spots comfortably, especially when you're retrofitting or updating. The contoured classic fin design provides a secure grip for extra torque, while the expanding interior spring accepts a wide range of wire sizes and combinations. Three models cover from 22 through 6 AWG.



B-Twist™ Wire Connectors - Long, Swept Wing, Fast-Start Spring

The All-in-One connector that gets the job done. The B-Twist™ Wire Connector combines all the features of red and yellow wire connectors in one outstanding design. The rounded "dialtop" provides fast, fingertip starts that come to torque quickly and the low-profile design fits easily into electrical boxes. With a super-wide range, the B-Twist™ provides top performance at a great value.



WeatherProof (Above Grade) / UnderGround (Below Grade) Wire Connectors

Twist-on connectors for underground and wet location installations. Six models cover a wide range of wire sizes from 22 through 6 AWG. The WeatherProof and UnderGround Wire Connector line features a 100% non-hardening silicone sealant to provide safe, moisture-free electrical connections. UL Listed and CSA Certified for damp/wet and direct burial applications.



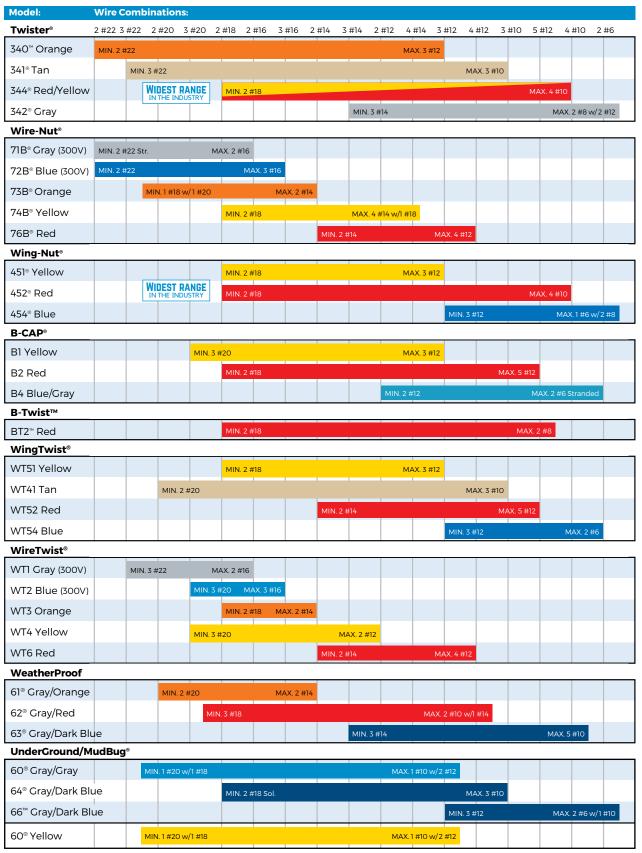
Twister® Al/Cu Wire Connectors - Al/Cu Connections

The only twist-on connector for aluminum-to-copper connections. The specially formulated anti-oxidant compound prevents oxidation on aluminum conductors for improved conductivity and cooler connections. UL Listed and CSA Certified for aluminum-to-copper connections.





WIRE RANGE CHART



WIRE CONNECTOR APPLICATION GUIDE

				~ 5				contro	\ \$	atector.	opens	ers	. •	vitch	Boxes		nting	,	cignag	e
	RESID	ENTIAL	t Switch	eptacle	ing Fan	Lights The	rmostat HVA	, C	kelcor	Detector	Bells	MMERCI MUI	ti-Cang	switch urity sy unte	ste. rcoms Rec	essedi	ighting trols	minate	signace,	nase N
Model	RES	ria.	Rec	Cer	, Car	. The	HA	Su.	Car	Dog	CO	Wr.	Sev	lure	Re		1110	, Ker	3.*	. 4,
Twister®																				
340™ Orange		•	•	•	•	•	•	•		•			•	•	•	•				
341® Tan		•	•				•	•	•				•		•	•				•
344® Red/ Yellow		•	•				•		•			•	•			•	•	•	•	•
342® Gray												•				•	•		•	•
Wire-Nut®																				
71B® Gray						•							•	•						
72B® Blue						•	•			•			•	•						
73B® Orange				•	•			•		•			•	•	•					
74B® Yellow		•		•	•			•							•	•				
76B® Red		•	•				•		•			•				•	•	•	•	•
Wing-Nut®																				
451® Yellow		•	•	•	•			•		•					•					
452® Red		•	•				•		•			•				•	•	•	•	•
454® Blue												•				•	•		•	•
B-CAP®																				
B1 Yellow		•		•	•			•		•			•	•	•					
B2 Red		•	•				•		•			•				•	•	•	•	•
B4 Blue												•				•	•		•	•
B-Twist™																				
BT2™ Red		•	•				•		•			•				•	•	•	•	•
WingTwist [®]																				
WT51 Yellow		•		•	•			•		•			•	•	•					
WT41 Tan		•	•				•	•	•				•		•	•				•
WT52 Red		•	•				•		•			•				•	•	•	•	•
WT54 Blue												•				•	•		•	•
WireTwist®																				
WTI Gray						•							•	•						
WT2 Blue						•	•			•			•	•						
WT3 Orange				•	•			•		•			•	•	•					
WT4 Yellow WT6 Red		•	•	•	•		_	•	•	•		•			•	•				
	RESID	ENTIAL		Lighting Jeilters	J Control tdoor Po	wer Out wer Out olDeck	clets Lighting Lighting hroom!	y Spa Ver Surity St	-	Carage In-Sprin	ubl _{Me}		nd ^{scape}	Lightin Curity S	ng Systems Sterior Li	ighting reet/Par	rking Lo	t Lighti	ng gPlants gfic sign	
WeatherProof		<u> </u>	·	<u> </u>	<u>, </u>		_	_		_							·	•		•
61® Gray/Orange	9					•	•		•				•			•	•	•		•
62® Gray/Red			•	•	•			•		•				•		•	•			•
63® Gray/Dk. Blu	e 📕		•	•	•			•		•				•	•	•	•			
UnderGround																				
60® Gray/Gray		•			•	•			•	•		•	•		•			•	•	
64® Gray/Dk. Blu	ie	•				•				•		•			•			•	•	
J				4																

Wire-Nut® Wire Connectors

The American Classic Since 1928

- · Fixed square spring for a secure hold
- · Refined range to handle all common applications
- Positive grip shell that is perfect to twist-on with fingers
- Excellent for fine stranded wire applications
- UL Listed to 105°C (221°F)





	Model	C	Color	Wire Combination Range	Wire Combination Range (mm)	Quantity	Part No.
				300V	300V	Box of 100	30-071
71B®		C	Gray	22 to 16 AWG	,34mm² to 1,5mm²	Carton of 1,000	30-171
	Models 71B®,		B®	Min. 2 #22 Str Max. 2 #16	Min. 2-,34mm² Max. 3-1,5mm²	Keg of 25,000	30-271
	and 73B°	ina l				Box of 100	30-072
72B®	PLENU	INI E	Blue	300V	300V	Carton of 1,000	30-172
/2B°	KAIL	ע ו	siue	22 to 14 AWG Min. 2 #22 – Max. 3 #16	,34mm² to 2,5mm² Min. 2-,34mm² Max. 3-1,5mm²	Keg of 10,000	30-272
	Suitable 1 Air-Handl			141111. 2 1122 141dX. 3 1110	Will. 2 ,5411111 Wax. 5 1,511111	Barrel of 85,000	30-872
	Space			600V*		Box of 100	30-073
					600V*	Jar of 300	30-073J
73B®		Orange		22 to 14 AWG Min. 1 #18 w/1 #20 Max. 2 #14	,34mm² to 2,5mm² Min. 1-,75mm² w/1-,50mm² Max. 4-1,5mm² w/1-,50mm²	Carton of 1,000	30-173
/3B°						Bag of 500	30-273
						Keg of 10,000	30-673
						Barrel of 50,000	30-873
				600V*	600V*	Box of 100	30-074
74B [©]		\/-	ellow	18 to 12 AWG	,75mm² to 4,0mm²	Jar of 175	30-074J
/4D		16	HOW	Min. 2 #18	Min. 2-,75m _m ²	Bag of 500	30-274
				Max. 4 #14 w/1 #18	Max. 4-2,5mm² w/1-,75mm²	Keg of 5,000	30-674
				600V*	600V*	Box of 100	30-076
76B [©]		Red		18 to 6 AWG Min. 2 #14	,75mm² to 16,0mm² Min. 2-2,5mm²	Jar of 150	30-076J
				Max. 4 #12	Max. 2-4,0mm ²	Bag of 250	30-276

^{*1,000}V maximum in fixtures and signs

High-Temp Wire-Nut® Wire Connectors

All of the same features as the Wire-Nut® Wire Connector, plus:

- · Black, thermoplastic shell designed to withstand extreme heat build-up found in high-wattage light fixtures and signs
- UL Listed to 150°C (302°F)



	Model	Color	Wire Combination Range	Wire Combination Range (mm)	Quantity	Part No.
			300V	300V	Box of 100	30-3627
7 1B®		Black	22 to 16 AWG Min. 2 #22 Str – Max. 2 #16	,34mm² to 1,5mm² Min. 234mm² – Max.	Carton of 1,000	30-151
	Models 71B®, 72B®			2-1,5mm ²	Keg of 25,000	30-251
	and 73B° PLENUM RATED Suitable for		300V	300V .34mm² to 2.5mm²	Box of 100	30-3628
72B®		Black	22 to 14 AWG Min. 2 #22 – Max. 3 #16	Min 2-3/mm ² - May	Keg of 10,000	30-252
	Air-Handling Space	Black	600V* 22 to 14 AWG Min. 1 #18 w/1 #20	600V* ,34mm² to 2,5mm² Min. 1-,75mm² w/1-,50mm²	Box of 100	30-3629
73B®	opuss				Keg of 10,000	30-253
			Max. 2 #14	Max. 4-1,5mm² w/1-,50mm²	Barrel of 50,000	30-803
			600V*	600V* .34mm² to 4.0mm²	Box of 100	30-059
59B™	ı	Black	22 to 12 AWG Min. 2 #20 - Max. 3 #14	Min 2-5mm² - May	Keg of 5,000	30-259

^{*1,000}V maximum in fixtures and signs

Wing-Nut® Wire Connectors

High-Leverage Wing

- · Contoured wing profile provides extra leverage for superior torque
- Expanding, live-action spring expands to accommodate a wide range of wire sizes and combinations
- Co-polymer shell expands for smooth, progressive tightening providing dependable connections
- · Removable for repeat usage on same size or larger combinations
- Tough, UL94V-2 flame retardant shell rated at 105°C (221°F)





				LISTED	
Model	Color	Wire Combination Range	Wire Combination Range (mm)	Quantity	Part No.
		600V*		Box of 100	30-451
			600V*	Jar of 225	30-451J
451 [®] Yello	Yellow	18 to 10 AWG	,75mm² to 6,0mm²	Jar of 500	30-651J
		Min. 2 #18 - Max. 3 #12	Min. 2-,75mm² – Max. 3-4,0mm²	Bag of 500	30-651
				Barrel of 35,000	30-851
	Red		600V* ,75mm² to 10,0mm² Min. 2-,75mm² – Max. 4-6,0mm²	Box of 100	30-452
		600V*		Jar of 300	30-452J
452®		18 to 8 AWG Min. 2 #18 - Max. 4 #10 (Widest range in the Industry!)		Jar of 500	30-652J
				Bag of 500	30-652
				Barrel of 25,000	30-852
/ F / ®	Dl	600V*	600V* 2,5mm² to 16,0mm²	Box of 25	30-454
454 [®] Blue	Biue	14 to 6 AWG Min. 3 #12 - Max. 1 #6 w/2 #8	Min. 3-4,0mm² – Max. 2-16,0mm² w/1-4,0mm²	Bag of 100	30-654

^{*1,000}V maximum in fixtures and signs

Greenie® Grounding Wire Connectors

- Designed for making ground connections and bonding non-metallic sheathed cable
- · Contoured wings for superior leverage
- Live-action, square-wire spring provides quality grounding connections
- Tough, UL 94V-2 flame-retardant shell rated at 105°C (221°F)



Model	Color	Wire Combination Range	Wire Combination Range (mm)	Quantity	Part No.
92°	Green	14 to 10 AWG Min. 2 #14 - Max. 4 #12	2.5mm² to 6.0mm²	Box of 100	30-092
			Min 2-2 5mm ²	Jar of 150	30-092J
			Max. 2-4,0mm² w/1-2,5mm²	Bag of 500	30-292

Greenie® Grounding Connector fully meets the intent of the NEC and specifically aids in compliance with the following:

ARTICLE 250: GROUNDING

250-146 Connecting Receptacle Grounding Terminal to Box

250-148 Continuity and Attachment of Equipment Grounding Conductors to Boxes

- (B) Grounding continuity
- (D) Nonmetallic boxes

See Page A-19 for more IDEAL Grounding Products.

Twister® Wire Connectors - Preferred Choice for Residential Jobs Comfortable Swept Wing

- Swept wings for more comfort, extra leverage, and less effort on large combinations
- Expanding, live-action spring supports a wide range of common wiring configurations
- Polypropylene shell expands for smooth, progressive tightening providing dependable connections
- Hexagonal shape accommodates standard nut driver for easy installation
- Quick take-up on even the toughest combinations, including solid-to-stranded
- UL Listed to 105°C (221°F)





Model	Color	Wire Combination Range	Wire Combination Range (mm)	Quantity	Part No.
	0	600V* 22 to 10 AWG Min. 2 #22 – Max. 3 #12	600V*	Box of 100	30-340
340™	Orange		,34mm² to 4,0mm² Min. 2-,34mm² – Max. 3-4,0mm²	Jar of 500	30-640J
		600V* 22 to 8 AWG Min. 3 #22 - Max. 3 #10	600V* ,34mm² to 10,0mm² Min. 3-,34mm² - Max. 3-6,0mm²	Box of 100	30-341
				Jar of 400	30-4413
341®	Tan			Bag of 500	30-641
341				Jar of 750	30-341J
				Barrel of 25,000	30-841
		600V*	600V*	Box of 50	30-342
342®	Gray	18 to 6 AWG Min. 3 #14 – Max. 2 #8 w/2 #12	,75mm² to 10,0mm²	Bag of 250	30-642
34Z°	Oray		Min. 3-2,5mm² – Max. 2-10,0mm² w/2-4,0mm²	Barrel of 15,000	30-842

^{*1,000}V maximum in fixtures and signs

Twister® Pro Wire Connectors Cushion-Grip Swept Wing

- SureGrip™ overmolding provides improved leverage, more torque, and faster connections
- · Comfortable swept wings ease hand fatigue
- Expanding square-wire spring provides a secure connection every time
- Tough, UL 94V-2 flame-retardant shell rated at 105°C (221°F)





Model	Color	Wire Combination Range	Wire Combination Range (mm)	Quantity	Part No.
		600V* 22 to 8 AWG Min. 2 #18 - Max. 4 #10 (Widest range in the Industry!)	600V* ,34mm² to 10,0mm² Min. 2-,75mm² Max. 4,0-6,0mm²	Box of 50	30-144
	Red/Yellow			Jar of 250	30-244J
344®				Jar of 500	30-644J
				Barrel of 20,000	30-944

^{*1,000}V maximum in fixtures and signs

WeatherProof Wire Connectors

Above Grade (Ground) Use



- 100% Silicone-based sealant protects against moisture and corrosion
- UL Listed to 486D for use in damp/wet locations or above-grade applications
- Easy to apply, pre-filled twist-on wire connectors
- Swept-wing design is built for comfort and efficiency
- Eliminates the need for heat-shrink or excessive taping











UnderGround Wire Connectors

- 100% Silicone-based sealant protects against moisture and corrosion
- UL Listed to 486D for use in damp/wet locations or direct burial/below-grade applications
- Easy to apply, pre-filled twist-on wire connectors
- Expanding, live-action square-wire spring for fast, secure and long-lasting connections
- Deep skirt provides superior moisture resistance to protect connections
- Tough, UL 94V-2 flame-retardant shell rated at 105°C (221°F)



Box of 50

30-1066





•	Tough, UL 94V-2
	flame-retardant
	shell rated at
	105°C (221°F)

66™

		Sealed Wire Connector System 5N35		Sealed Wire Con System 5N3	nector 5
Weather	Proof Wire Conn	ectors			
Model	Color	Wire Combination Range	Wire Combination Range (mm)	Quantity	Part No.
		600V*	600V*	Card of 25	30-1161
61®	Gray/Orange	22 to 14 AWG	,34mm² to 4,0mm²	Jar of 150	30-1261J
		Min. 2 #20 - Max. 2 #14	Min. 2-,5mm² – Max. 2-2,5mm²	Carton of 1,000	30-1361
		600V*	600V*	Card of 20	30-1162
62 [®] Gray/Red	Gray/Red	18 to 8 AWG		Jar of 100	30-1262J
		Min. 3 #18 - Max. 2 #10 w/1 #14	Min. 2-1,5mm ² Sol Max. 2-6,0mm ²	Carton of 1,000	30-1362
		600V*	600V*	Card of 15	30-1163
63®	Gray/Dk. Blue	16 to 6 AWG	1,5mm² to 16,0mm²	Jar of 50	30-1263 J
		Min. 3 #14 - Max. 5 #10	Min. 3-2,5mm ² Sol. – Max. 5-6,0mm ²	Carton of 1,000	30-1363
UnderGr	ound Wire Conn	ectors			
Model	Color	Wire Combination Range	Wire Combination Range (mm)	Quantity	Part No.
500	Curvi/Curv	600V* 20 to 10 AWG	600V* ,5mm² to 6,0mm²	Card of 25	30-1160
60 ® Gi	Gray/Gray	Min. 1 #20 w/1 #18 Max. 1 #10 w/2 #12	Min. 1-,5mm² w/1,75mm² Max. 1-6,0mm² w/2-4,0mm²	Box of 100	30-1260
64®	Gray/Dk. Blue	600V* 18 to 8 AWG Min. 2 #18 Sol Max. 3 #10	600V* ,75mm² to 10,0mm² Min. 2-,75mm² Sol Max. 3-6,0mm²	Box of 50	30-1264

600V*

2,5mm² to 16,0mm²

Min. 3-4,0mm² Sol. - Max. 2-16,0mm²

w/1-6,0mm²

WeatherProof & UnderGround Wire **Connector Combo Packs**

600V*

14 to 6 AWG

Min. 3 #12 - Max. 2 #6 w/1 #10



*1,000V maximum in fixtures and signs

Gray/Dk. Blue

WARNING: One time use only. Do not reuse connector.

MudBug® Utility Wire Connectors

- Connects underground gas tracer lines providing superior protection
- Moisture and corrosion resistant, pre-filled with nonhardening, 100% silicone
- UL Listed to direct burial test standard 486D up to 600V maximum voltage



Model	Color	Wire Combination Range	Wire Combination Range (mm)	Quantity	Part No.
60®	Yellow	600V* 20 to 10 AWG Min. 1 #20 w/1 #18 – Max. 1 #10 w/2 #12	600V* ,5mm² to 6,0mm² Min. 1-,5mm² w/1,75mm² – Max. 1-6,0mm² w/2 - 4,0mm²	Carton of 1,000	30-360Y

^{*1,000}V maximum in fixtures and signs

WARNING: One time use only. Do not reuse connector.

Twister® Al/Cu Wire Connectors

Al/Cu Connections

- Only aluminum-to-copper twist-on connector specifically designed to provide a secure connection while preventing aluminum corrosion
- Pre-filled antioxidant compound prevents oxidation of aluminum conductors
- Patent swept wings and hexagonal head for easy installation by hand or with standard nut driver
- · Live-action, square-wire spring expands and contracts with aluminum wire
- · Entry-cap retains corrosion-resistant compound
- Tough, UL 94V-2 flame-retardant shell rated at 105°C (221°F)
- Complies with N.E.C. Section #110-14(b) for aluminum-to-copper connections; UL Listed to 486C and CSA Certified to C22.2 #188





Wire Connector also listed as grounding equipment



Model	Color	Wire Combination	Quantity	Part No.	
	Purple	1 #10 Al solid w/1 or 2 #10 Cu solid 1 #10 Al w/1 or 2 #12 Cu 2 #10 Al solid w/1 #12 Cu 1 #10 Al w/1 or 2 #14 Cu 2 #10 Al solid w/1 #14 Cu 2 #12 Al solid w/1 #10 Cu 1 #12 Al solid w/1 or 2 #10 Cu 1 #12 Al stranded w/1 or 2 #10 Cu solid 1 #12 Al w/1 or 2 #12 Cu 2 #12 Al solid w/1 #12 Cu	1 #12 Al w/1 or 2 #14 Cu 2 #12 Al solid w/1 #14 Cu	Card of 2	30-065
			1 #10 Al w/1 or 2 #18 Cu 2 #10 Al solid w/1 #18 Cu 1 #12 Al w/1 or 2 #16 Cu 2 #12 Al solid w/1 #16 Cu 1 #10 Al w/1 or 2 #16 Cu 2 #10 Al solid w/1 #16 Cu	Card of 10	30-765
65				Card of 25	30-165
				Box of 100	30-265
			1 #12 Al w/1 or 2 #18 Cu 2 #12 Al solid w/1 #18 Cu	Carton of 1,000	30-365

600V maximum building wire; 1,000V signs or light fixtures

WARNING:

- 1. One time use only. Do not reuse connector.
- 2. Do not use on aluminum to aluminum wire combinations.
- 3. Wiring must comply with all applicable electrical codes.
- 4. Use with aluminum-to-copper or copper clad-to-copper connections only.

For a complete listing of UL approved wire combinations, visit us at idealind.com

B-CAP® Wire Connectors

Low-Profile Fin

- Low profile design gets into tight spaces and hard-to-reach spots comfortably
- Slim, classic fins offer a secure grip for extra leverage and easy installation
- Live-action spring expands to accept wire shape and size with no pre-twisting
- Unique, space-saving profile is perfect for "old work" or shallow boxes
- Tough, UL 94V-2 flame-retardant shell rated at 105°C (221°F)
- Green-B[®] designed for making ground connections and bonding non-metallic sheathed cable



Model	Color	Wire Combination Range	Wire Combination Range (mm)	Quantity	Part No.
				Box of 100	B1-1
	V-II	600V*	600V*	Jar of 250	B1-250JR
B1	Yellow	22 to 10 AWG Min. 3 #20 - Max. 3 #12	,34mm² to 6,0mm² Min. 3-,5mm² – Max. 3-4,0mm²	Jar of 500	B1-500JR
				Bag of 500	B1-B
		600V* 22 to 8 AWG Min. 2 #18 – Max. 5 #12		Box of 100	B2-1
D2	Red		600V*	Jar of 350	B2-350JR
B2			,34mm² to 10,0mm² Min. 2-,75mm² - Max. 5-4,0mm²	Jar of 500	B2-500JR
				Bag of 500	В2-В
_,	Blue-	600V*	600V*	Box of 25	B4-1
B4	Gray	14 to 6 AWG Min. 2 #12 - Max. 2 #6 Stranded	2,5mm² to 16,0mm² Min. 2-4,0mm² – Max. 2-16,0mm²	Carton of 250	B4-B
		14 to 10 AWG Min. 2 #14 - Max. 5 #12	2,5mm² to 6,0mm²	Box of 50	BGR-1
BGR	Green		Min. 2-2,5mm ²⁻ Max. 5-4,0mm ²	Carton of 250	BGR-B

^{*1,000}V maximum in fixtures and signs

B-TWIST™ Wire Connectors Long, Swept Wing, Fast-Start Spring

- · All-in-one connector with wide red/yellow range from 2 #18 to 2 #8
- Rounded dial-top with vertical ribs provides fast fingertip starts
- · Connection comes to torque quickly to get the job done efficiently
- · Long swept-wings improve comfort and torque
- · Wide, expanding spring makes for easy starts on even the largest combinations
- Tough, UL 94V-2 flame-retardant shell rated at 105°C (221°F)











Model	Color	Wire Combination Range	Wire Combination Range (mm)	Quantity	Part No.
BT2™ Red		600V*	600V*	Box of 100	BT2-1
	Red	18 to 8 AWG	,75mm² to 10mm² Min. 2-,75mm² – Max. 1-8,0mm²	Jar of 500	BT2-500JR
		Min. 2 #18 – Max. 2 #8	w/2-6,0mm²	Barrel of 25,000	BT2-1

^{*1,000}V maximum in fixtures and signs

WireTwist® Wire Connectors

Fixed Spring

- · Positive grip shell design for fast, easy installation
- Fixed, square-wire spring creates secure connections
- · Deep skirt protects against flash-over
- Tough, UL 94V-2 flame-retardant shell (105°C/221°F)









					L119700
Model	Color	Wire Combination Range	Wire Combination Range (mm)	Quantity	Part No.
14/77	6	300V	300V	Box of 100	WT1-1
WT1	Gray	22 to 14 AWG Min. 3 #22 – Max. 2 #16	,34mm² to 2,5mm² Min. 3-,34mm² – Max. 2-1,5mm²	Bag of 500	WTI-B
\A/T2	Dlus	300V	300V	Box of 100	WT2-1
WT2	Blue 22 to 14 AWG ,34mm² to 2,5mm² Min. 3 #20 – Max. 3 #16 Min. 3-,50mm² – Max. 3-1,5mm²	Bag of 500	WT2-B		
\A/T7	0,42,53,54	600V*	600V* .34mm² to 2.5mm²	Box of 100	WT3-1
WT3	Orange 22 to 14 AWG Min. 2 #18 – Max. 2 #14	,5411111 to 2,511111 Min. 2-,75mm² – Max. 2-2,5mm²	Bag of 500	WT3-B	
14/T/	V-II	600V*	600V*	Box of 100	WT4-1
WT4	Yellow	22 to 10 AWG Min. 3 #20 – Max. 2 #12	,75mm² to 6,0mm² Min. 2-,75mm² – Max. 2-4,0mm²	Bag of 500	WT4-B
MEG	Deal	600V*	600V*	Box of 100	WT6-1
WT6	Red 20 to 8 AWG Min. 2 #14 - Max. 4 #12	,50mm² to 10,0mm² Min. 2-2,5mm² – Max. 4-4,0mm²	Bag of 250	WT6-B	

^{*1,000}V maximum in fixtures and signs

WingTwist® Wire Connectors

Contoured Spring

- · Contoured wing design provides enhanced torque
- · Expanding, square-wire spring creates secure connections
- Wide, deep skirt opening accommodates a variety of wire combinations
- Tough, UL 94V-2 flame retardant shell (105°C/221°F)
- · Model WGR UL 486A listed.



Model	Color	Wire Combination Range	Wire Combination Range (mm)	Quantity	Part No.
		600V*	600V*	Box of 100	WT51-1
WT51	Yellow	18 to 10 AWG	.75mm² to 6.0mm²	Bag of 500	
WISI	Tellovv	Min. 2 #18 - Max. 3 #12	Min. 275mm² – Max. 3-4.0mm²	Jar of 500	
		WIII. 2 #10 - WIAX. 3 #12	Willi. 2 ,75	Barrel of 25,000	
		500) #	600V*	Box of 100	WT41-1
)A/T/3	Т	600V*	,34mm² to 6,0mm²	Bag of 500	WT41-B
WT41	Tan	22 to 10 AWG Min. 2 #20 - Max. 3 #10	Min. 2-0,5mm² – Max. 3-6,0mm²	Jar of 500	WT41-500JR
		MIII. 2 #20 - Max. 3 #10		Barrel of 25,000	WT41-SK
		600V*	600V*	Box of 100	WT52-1
\TE0	Dad			Bag of 500	WT52-B
WT52	Red	18 to 10 AWG Min. 2 #14 – Max. 5 #12	,75mm² to 6,0mm² Min. 2-2.5mm² – Max. 5-4.0mm²	Jar of 500	WT51-B WT51-500JR WT51-SK WT41-1 WT41-B WT41-500JR WT41-SK WT52-1 WT52-B WT52-500JR WT52-SK WT54-1 WT54-B
		Min. 2 #14 - Max. 5 #12	Min. 2-2,5mm Max. 5-4,0mm	Barrel of 25,000	WT52-SK
NACTE (600V*	600V* 2,5mm² to 16,0mm²	Box of 50	WT54-1
WT54	Blue	14 to 6 AWG Min. 3 #12 – Max. 2 #6	Min. 3-4,0mm² - Max. 2-16,0mm²	Bag of 100	WT51-B WT51-500JR WT51-SK WT41-1 WT41-B WT41-SK WT52-1 WT52-B WT52-500JR WT52-SK WT54-1 WT54-B
		14 to 10 AWG	2,5mm ² to 6,0mm ²	Box of 50	WGR-1
WGR	Green	Min. 2 #14 - Max. 5 #12	Min. 2-2,5mm ² – Max. 5-4,0mm ²	Carton of 250	WGR-B

^{*1,000}V maximum in fixtures and signs

Combination WingTwist®/WireTwist® Wire Connectors

- Kit Contains:
 - WT1 WireTwist® Wire Connector, Gray, (Qty. 100)
 - WT2 WireTwist® Wire Connector, Blue, (Qty. 100)
 - WT3 WireTwist® Wire Connector, Orange, (Qty. 100)
 - WT4 WireTwist® Wire Connector, Yellow, (Qty. 100)
 - WT6 WireTwist® Wire Connector, Red, (Qty. 25)
 - WT41 WingTwist® Wire Connector, Tan, (Qty. 60)
 - WT51 WingTwist® Wire Connector, Yellow, (Qty. 100) - WT52 WingTwist® Wire Connector, Red, (Qty. 25)
 - WT54 WingTwist® Wire Connector, Blue, (Qty. 10)
 - Reusable case



Description	Quantity	Part No.
WireTwist®/WingTwist® Wire Connector Combination Kit	620 pcs.	30-2091

Spin-Twist® Wire Connector Socket

- · Speeds installation of IDEAL and Buchanan Wire Connectors
- For use with electric corded or cordless drill drivers
- · 1/4 in. chuck fits most drills or drive sockets



Description	Part No.
For Connector Models: Wire-Nut® (Models 74B® & 76B® only), Wing-Nut®, Twister®, B-CAP®, WireTwist® (WT4 & WT6 models) & WingTwist® Wire Connectors	30-902

IDEAL Wire connectors are available in:

Barrels

For really big jobs when you can't afford to run out of connectors.



Store N' Pour™ Jars
Easy-pour design keeps
connectors clean and
your shelf organized.



360° Zipper Bags

These bags are convenient, re-closeable and stand-up on the job.



Boxes
For small jobs at hand,
just grab a box.



PUSH-IN WIRE CONNECTORS

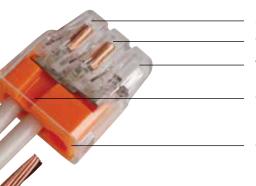
In-Sure® Push-In Wire Connectors

If it's IDEAL, it's a quality connector - and the In-Sure® Push-In Wire Connector is no exception. Color-coded, the clear polycarbonate housing allows for visual verification of every connection. The ergonomic design of the In-Sure® is easier to grip which means more comfortable push-in type connections.

GREAT
FOR
RESIDENTIAL
APPLICATIONS

Perfect for OEM lighting manufacturing, prefabricated wiring systems, and any other branch circuit wiring applications where a traditional twist-on wire connector would be used. Simply push the wire in - the low insertion force makes it easy. UL Listed, CSA Certified and rated to 600V and 105°C, the In-Sure® Push-In Wire Connector saves time and improves productivity while perfecting connections.





Stainless steel inserts restrict pull out

Visual verification of connection

Tin-plated copper bus system

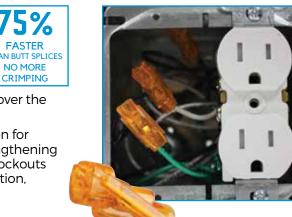
Check port for continuity testing

Color-coded for easy identification

SpliceLine® In-Line Wire Connectors

The SpliceLine® In-Line Wire Connector is a revolutionary in-line wire connector that utilizes patented push-in technology in a unique design to provide a crimp-free, solderless butt splice faster and easier. The 2-port model supports a wide range of either stranded or solid wires, allowing one connector to cover the same range as three traditional butt splices.

The end-to-end connection of SpliceLine® is a great solution for today's pre-fab operations and also makes it perfect for lengthening short wires in tight spaces. It easily passes through $\frac{1}{2}$ in. knockouts and the transparent polycarbonate allows for visual inspection, providing a secure connection every time.



SpliceLine® In-Line Wire Connectors

- · Faster alternative to traditional butt splices
- Crimp-free, solderless push-in butt splice
- Slim design fits through 1/2 in. knockout
- Perfect for lengthening wire
- Transparent polycarbonate housing for visual inspection of connection
- Listed for UL 467











Model	Color	Rating	Wire Range	Quantity	Part No.
42	Orange	600V/20A 105°C		Bag of 10	30-1342S
			Solid: 20-12 AWG	Box of 100	30-1042
			Stranded: 16-12 AWG (≤19 str.) Stranded Tin-Bonded: 18-14 AWG (≤19 str.)	Jar of 300	30-1042J
				Box of 2,500	30-1642

In-Sure® Push-In Wire Connectors Strip. Push. Connect.

- · No-twist push-in design reduces repetitive motion fatigue
- · Low insertion force for fast and easy connections
- Compact size makes installation easy
- Clear shell gives visual verification of connection
- Tough, UL 94V-2 flame-retardant shell rated at 105°C (221°F)
- Models 32, 33, 34 and 39 Listed for UL 467





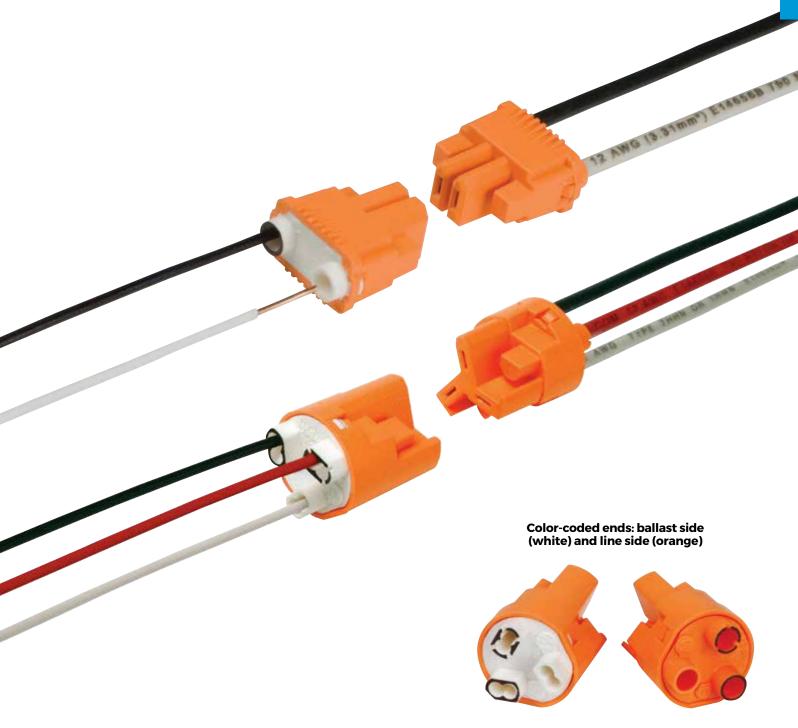


Model	Color	Ports	Amp Rating	Wire F	Range	Quantity	Part No.
						Box of 100	30-1032
32	Red	2	20 Amp			Jar of 300	30-1032J
				Solid: 20 – 12 AWG	Box of 5,000	30-1632	
					Box of 100	30-1033	
33	Orange	3	20 Amp		16 - 12 AWG (≤19 str.) 18 AWG (7 Strand)	Jar of 250	30-1033J
				Stranded (Tin Bonded):		Box of 5,000	30-1633
				onanaca (m. Bonaca). 10 117, two (213 str.)	Box of 100	30-1034	
34	Yellow	4	20 Amp			Jar of 200	30-1034J
						Box of 5,000	30-1634
87	C	_	20 4			Jar of 150	30-08 7 J
87	Gray	5	20 Amp	Solid:	20 - 12 AWG	Box of 3,000	30-687
88	Dluc	C Ctoolcod	20 Amam		16 - 14 AWG (≤19 str.)	Jar of 100	30-088J
00	Blue	6 Stacked	20 Amp		18 AWG (7 Strand)	Box of 2,500	30-688
00	Dlask	0	20 4	Stranded (Tin Bonded): 1	18 - 14 AWG (≤19 str.)	Jar of 100	30-090J
90	Black	8	20 Amp			Box of 2,000	30-690
39	Dlue	3	70 Amam		14 - 10 AWG	Box of 50	30-1039
29	Blue	5	30 Amp	Stranded: Stranded (Tin Bonded):	12 - 10 AWG (≤19 str.) 14 - 10 AWG (≤19 str.)	Jar of 150	30-1039J

COPPER TO COPPER ONLY. Do not use on aluminum. Temperature rating: 105°C (221°F) maximum. 600V maximum building wire, 1000V maximum signs or lighting fixtures.

POWERPLUG® LUMINAIRE DISCONNECTS

The IDEAL PowerPlug® Luminaire Disconnect fully meets the current National Electric Code and Canadian Electric Code for non-residential fluorescent luminaires. The PowerPlug® helps reduce electrical shock hazard during ballast replacement by safely disconnecting hot and neutral ballast wiring. Both halves of PowerPlug® meet UL and CSA finger-probe safety requirements. Advanced push-in technology provides fast, efficient ballast connections resulting in reduced installation time and improved labor savings. The PowerPlug® is available in 2-pole and 3-pole models with options for new installation or ballast retrofitting.



PowerPlug® Luminaire Disconnects

- · Allows safe disconnect of hot and neutral ballast wiring
- Perfect for new, retrofit or OEM lighting installations
- Push-in technology results in quicker connections, saving time and increasing productivity
- Both halves are "touch-safe" per UL 2459
- Fits through 1/2 in. knockout











Selection Chart

Application	New Installations	Retrofits
For 1-ballast fixtures	102®	102®, 182®
For 2-ballast, dimming and switching fixtures	103	103, 183

Model 102®

Model	Color	Electrical Rating	Line Side	Ballast Side	Quantity	Part No.
			Solid: #12 - #18	Solid: #12 - #18	Card of 25	30-372
102®		6 Amps/600	Stranded: #12 - #14 (≤19 str.) Stranded Tin-Bonded:	Stranded: #12 - #14 (≤19 str.) Stranded Tin-Bonded:	Jar of 75	30-382J
2-wire	Orange	Volts Max.	#12 - #14 (≤19 str.) #16 (≤26 str.)	#12 - #14 (≤19 str.) #16 (≤26 str.)	Jar of 150	30-352J
			#18 (≤16 str.)	#18 (≤16 str.)	Box of 1,000	30-102
		Solid: #12 - #18	Solid: #18	Card of 20	30-383X	
103 3-Wire	Orange	6 Amps/600 Volts Max.	Stranded: #12 - #14 (≤19 str.) Stranded Tin-Bonded: #12 - #14 (≤19 str.)	Stranded: None Stranded Tin-Bonded: #18 (<16 str.)	Jar of 100	30-353XJ
			#16 (≤26 str.) #18 (≤16 str.)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Box of 1,000	30-103X
					Box of 100	30-082
182 [®] 2-Wire	Orange	Orange 3 Amps/600 Volts Max.	Solid: #18	Solid: #18	Box of 2,500	30-682
					Box of 1,000	30-682L
183	0,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	3 Amps/600		- 11 1 11-0	Box of 100	30-083
3-Wire	Orange	Volts Max.	Solid: #18	Solid: #18	Box of 2,500	30-683

1,000V maximum fixtures and signs.

Basic Lighting Maintenance Kit

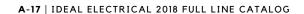
- Kit Contains:
 - Wire-Nut® Wire Connectors (25 Model 72B® Blue, 25 Model 73B® Orange)
 - In-Sure® Push-In Wire Connectors (25 Model 33, Orange)
 - SpliceLine® In-Line Wire Connectors (25 Model 42 Orange)
 - PowerPlug® Luminaire Disconnects (30 Model 102® 2-Port, 15 Model 103 3-Port, 50 Model 182® 2-Port)

Description	Part No.
Basic Lighting Maintenance Kit	30-2255

Lighting Installation Kit

- Kit Contains:
 - Wire-Nut® Wire Connectors (100 Model 72B® Blue)
 - In-Sure® Push-In Wire Connectors (50 Model 33 Orange)
 - PowerPlug® Luminaire
 Disconnects (30 Model 102® 2-Port,
 50 Model 182® 2-Port)
 - 1 Twist-a-Nut™ Screwdriver/Nut Driver (35-908)
 - 1 Reflex™ Super T®-Stripper Wire Stripper (45-615)

Description	Part No.
Lighting Installation Kit	30-2257

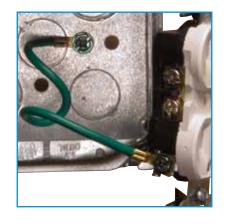


GROUNDING PRODUCTS

We've got grounding covered!

Grounding pigtails are designed for a wide variety of grounding applications. The ultra-flexible lead wire and bonding jumpers make fast and efficient pigtailing.

- · Convenient for device grounding applications
- Safe, fast and efficient for cost-effective grounding jobs
- Ensures compliance with Article 250 of the National Electrical Code



Stranded

 Heavy-duty fork terminals attach easily to device grounding screw







Solid Wire Grounding Tail with Push-In Wire Connector



Screws

 10-32 x 3/8 in. zinc-plated thread-forming, hole-finding ground screw with combination Slotted, Phillips, Hex and #2 Robertson head. Sold individually or factory-assembled on to pigtails.





Solid Wire Grounding Tails

Description	Quantity	Part No.
14 AWG solid, 8 in. tail w/loop & ground screw and stripped end	Bulk Pack of 250	30-3390
12 AWG solid, 6.5 in. tail w/loop & ground screw and stripped end	Bag of 50	30-3404
12 AWG solid, 6.5 in. tail w/loop & ground screw and stripped end	Bulk Pack of 1,000	30-3402
12 AWG solid, 8 in. tail w/loop & ground screw and stripped end	Bag of 50	30-3392
12 AWG solid, 8 in. tail w/loop & ground screw and stripped end	Plastic Box of 100	30-3399

Bulk packs are bundled in quantities of 50.

Stranded Wire Grounding Tails

Description	Quantity	Part No.
14 AWG stranded, 8 in. tail w/#10 fork & #10 ring and ground screw	Bag of 25	30-3183
12 AWG stranded, 8 in. tail w/#10 fork & #10 ring and ground screw	Bag of 25	30-3184
12 AWG stranded, 8 in. tail w/#10 fork & #10 ring and ground screw	Plastic box of 50	30-3385
12 AWG stranded, 8 in. tail w/#10 fork & #10 ring and ground screw	Bulk pack of 1,000	30-3284
12 AWG stranded, 8 in. tail w/#10 fork & #10 ring (no ground screw)	Bulk pack of 1,000	30-3285
12 AWG stranded, 8 in. tail w/#10 fork & stripped end	Bag of 25	30-3480

Bulk packs are bundled in quantities of 50.

Combo Grounding Tails

Description	Quantity	Part No.
2-wire combo: 12 AWG solid 8 in. tail, one stripped end, one end w/ground screw; joined to 12 AWG stranded 8 in. tail at a ring terminal, w/fork terminal on second end	Box of 500	30-3286
2-wire combo: 12 AWG stranded 8 in. tail w/#10 ring & ground screw, one stripped-end tail and one #10 fork tail	Bag of 25	30-3287



Push-Tails™



Description	Quantity	Part No.
12 AWG solid, 8 in. tail w/loop and ground screw and 4-port push-in wire connector	Bag of 25	30-3415
12 AWG solid, 8 in. tail w/loop and ground screw and 4-port push-in wire connector	Carton of 250	30-3414



Bulk packs are bundled in quantities of 50.

ground screw and stripped end



1,000

Description	Quantity	Part No.
12 AWG stranded, 8 in. tail w/#10 fork & stripped end	Bulk pack of 1,000	30-3580
12 AWG stranded, 8 in. tail w/#10 ring & ground screw and stripped end	Bulk Pack of 1,000	30-3201
12 AWG stranded, 10 in. tail w/#10 fork & #10 ring and ground screw	Bulk pack of 500	30-3311
12 AWG stranded, 12 in. tail w/#10 fork & #10 ring and ground screw	Bulk pack of 1,000	30-3413

Bulk packs are bundled in quantities of 50.





Description	Quantity	Part No.
2-wire combo: 12 AWG stranded 8 in. tail w/#10 ring and ground screw and two #10 fork tails	Bag of 25	30-3288
3-wire combo: 12 AWG stranded, 8 in. tail w/#10 ring & ground screw, one stripped-end tail and two #10 fork tails	Bag of 25	30-3289





Grounding Screws

• 10-32 x 3/8 in. Zinc-plated grounding screws offer a thread-forming, hole-finding feature plus combination hex, Phillips, slotted and Robertson head





Ensures compliance with Article 250 of NEC.

Description	Quantity	Part No.
	Jar of 100	30-3594
Thread-forming, hole-finding, combination hex, Phillips, slotted and Robertson head	Pack of 50	30-3194

Non-Grounding Stranded Wire Pigtails

8 in. 12 AWG Stranded Pigtails - White or Black, #10 Fork and Stripped end



Description	Quantity	Part No.
12 AWG stranded, 8 in. tail w/#10 fork and stripped end, white	Bag of 25	30-3470
12 AWG stranded, 8 in. tail w/#10 fork and stripped end, black	Bag of 25	30-3471
12 AWG stranded, 8 in. tail w/#10 fork and stripped end, white	Bulk pack of 1,000	30-3570
12 AWG stranded, 8 in. tail w/#10 fork and stripped end, black	Bulk pack of 1,000	30-3571

Bulk packs are bundled in quantities of 50.

Grounding Wire Connectors

- Designed for making ground connections and bonding non-metallic sheathed cable
- Contoured wings for superior leverage
- Live-action, square-wire spring provides quality grounding
- Tough, UL 94V-2 flame-retardant shell rated at 105°C (221°F)





Ground C 951L LISTED	connector Cu/Cu (®
Quantity	Part No.

Model	Description	Wire Combination Range	Wire Combination Range (mm)	Quantity	Part No.
	Greenie®		2.5mm² to 6.0mm²	Box of 100	30-092
92®	92® Grounding Wire	14 to 10 AWG Min. 2 #14 - Max. 4 #12	Min. 2-2,5mm² Max. 2-4,0mm² w/1-2,5mm²	Jar of 150	30-092J
				Bag of 500	30-292

Grounding Recap

Solid (w/loop and Ground Screw)

- 14 AWG
 - 8 in.
- **12 AWG**
 - 6-1/2 in.
 - 8 in.
 - 10 in. - 12 in.

Combo (12 AWG only):

- 2-Wire
- 3-Wire

Stranded

- 14 AWG
 - 8 in. w/#10 Fork and #10 Ring & Ground Screw
- **12 AWG**
 - 8 in. w/#10 Fork & Stripped End
 - 8 in. w/#10 Fork and #10 Ring
 - 8 in. w/ #10 Fork and #10 Ring & Ground Screw
 - 10 in. w/#10 Fork and #10 Ring & Ground Screw
 - 12 in. w/#10 Fork and #10 Ring & Ground Screw

Steel Crimp Connectors









- Designed for making fast, permanent, pressuretype connections
- Long-zinc-plated steel sleeves maximize contact area with conductors
- UL Listed to 486C and CSA Certified to C22.2 #188; comply with Federal Specification W-S-610E
- Temperature rating: 105°C (221°F)

Model	Wire Combination Range	Quantity	Part No.
		Bag of 100	30-410
410	600V 18 - 10 AWG Min. 1 #14 & 1 #18 - Max. 2 #10 & 2 #14	Carton of 1,000	30-510
		Keg of 10,000	30-610
411	600V	Box of 50	30-411
	18 - 8 AWG Min. 3 #12 - Max. 4 #10	Carton of 1,000	30-511
412	600V	Box of 50	30-412
	18 – 4 AWG Min. 1 #14 & 1 #16 – Max. 2 #8 & 1 #6	Carton of 1,000	30-512

IDEAL hand crimp tools UL listed for Models 410, 411, 412: 30-428, 30-429, 30-430.

Wrap-Cap® Insulators





- Provide high dielectric and physical protection for UL Listed, non-insulated pressure-type wire connectors
- Unique design completely covers splice insulates both around and between wires and eliminates need for tape
- UL Listed to 486C and CSA Certified for 600V maximum building wiring (1,000V maximum for fixtures and signs); temperature rated at 75°C (167°F) maximum.

Model	Description	Quantity	Part No.
415	Insulator for Model 410 Connectors. Can also be	Box of 50	30-445
	used on Buchanan 2006S & 2011S Copper Crimps	Carton of 1,000	30-515
417	Insulator for Model 411 & 412 Connectors. Can also	Box of 25	30-447
	be used on Buchanan 2011S Copper Crimps	Carton of 1,000	30-517

Copper Splice Cap Crimp Connectors

- Designed for making fast, permanent, pressure-type connections
- Solid copper sleeves require less crimping pressure and resist corrosion in harsh environments
- UL 486C Listed and CSA C22.2 #188 Certified; comply with Federal Specification W-S-61D

	Description	Wire Combination Range	Quantity	Part No.
		600V*	Bag of 100	2006S
Copper Crimp Connector	18 to 10 AWG Min. 2 #18, - Max. 4 #12	Bag of 1,000	2006SB	
	600V*	Bag of 50	20115	
	14 to 4 AWG Min. 2 #10 - Max. 2 #6	Bag of 500	2011SB	

*1,000V maximum in fixtures and signs.

IDEAL hand crimp tools UL Listed for models 2006S and 2011S: C24, 30-428, 30-429 and 30-430.





2014B



Splice Cap Insulators

- Convenient, safe and fast installation
- · Snap-on nylon construction
- Rated at 105°C (221°F) 600V (1,000V maximum in fixtures and signs)

Model 2011S



Bag of 500

STREET LIGHT KITS

SLK® Disconnect Fuse Kits

- · Breakaway fuseholder for use in:
 - Roadway & street lighting
 - Parking lot & area lighting
- · UL Listed for submersible installations
- · Bright orange color for ease of visibility
- · Large selection of configurations
- · Set screw or crimp terminations available

The IDEAL SLK® Disconnect Fuse Kit is a waterproof breakaway safety device that de-energizes roadway lights, streetlights, parking lot lights, and other freestanding electrical fixtures in the event of a knockdown, or when the fixtures need maintenance. This helps protect first responders, bystanders, and service personnel from potentially life-threatening electrical shock hazards.

The SLK® is the first Disconnect Fuse Kit listed to UL's ECIS category for special purpose connectors. This category contains a set of rigorous tests from a host of UL standards, including UL 486D, the standard for submersibility. This means that the SLK® will stand up to the wet conditions often seen in and around pole bases, junction boxes, and hand holes.

In addition, the bright orange color of the SLK® makes the product easy to locate in dark junction boxes, in hand holes, or in a nighttime knockdown situation when the connector is often buried amongst dirt, mud. and debris.

- Accepts 13/32 in. x 1-1/2 in. midget-style fuse (Note: Fuse not included)
- · Wire Range: 2-14 AWG (Cu & Al rated)
- Ratings: 30A, 600V, 105°C
- Maximum available short circuit current of 10.000





SLK® Ordering Information

To Determine which Kit to Use:

- Select the base part number, based on crimp termination (TABLE 1) or set screw termination (TABLE 3), number of wires on line/load side,
- 2. If necessary, modify the base part number according to neutral, dual, paired, or tap (i.e., non-breakaway) configurations. Use TABLE 2 for crimp variations and TABLE 4 for set screw variations.
- 3. See right for examples.

Examples:

- An in-line fused breakaway kit with crimp terminations, one 10 AWG wire on the line side and one 10 AWG wire on the load side is ordered as a 30-C1616.
- 2. An in-line non-fused (i.e., neutral) breakaway kit with set screw terminations, one 6 AWG wire on the line side and one 10 AWG wire on the load side is ordered as a 30-S1212N.
- 3. A Y-tap fused breakaway kit with crimp terminations, two 6 AWG wires on the line side and one 10 AWG wire on the load side is ordered as a 30-C2216.

Tabl	e 1: C	rimp	Load							Load							
Base Part			1 Wire						2 Wire								
numbers			2 AWG	4 AV	VG	6 AWG	8 AWG	10 AWG	12 AWG	14 AWG	2 AWG	4 AWG	6 AWG	8 AWG	10 AWG	12 AWG	14 AWG
		2 AWG	30-C1212	30-C1	212	30-C1216	30-C1216	30-C1216	30-C1216	30-C1216			30-C1222	30-C1222	30-C1226	30-C1226	30-C1226
		4 AWG		30-C1	212	30-C1216	30-C1216	30-C1216	30-C1216	30-C1216			30-C1222	30-C1222	30-C1226	30-C1226	30-C1226
	ø	6 AWG				30-C1616	30-C1616	30-C1616	30-C1616	30-C1616			30-C1622	30-C1622	30-C1626	30-C1626	30-C1626
	Wire	8 AWG	ONE I	KIT			30-C1616	30-C1616	30-C1616	30-C1616				30-C1622	30-C1626	30-C1626	30-C1626
	-	10 AWG	WILL CO	VER				30-C1616	30-C1616	30-C1616					30-C1626	30-C1626	30-C1626
		12 AWG	A LARI WIRE RA						30-C1616	30-C1616						30-C1626	30-C1626
Line		14 AWG								30-C1616							30-C1626
5		2 AWG	30-C2012	30-C2	2012	30-C2016	30-C2016	30-C2016	30-C2016	30-C2016			30-C2022	30-C2022	30-C2026	30-C2026	30-C2026
		4 AWG		30-C2	2012	30-C2016	30-C2016	30-C2016	30-C2016	30-C2016			30-C2022	30-C2022	30-C2026	30-C2026	30-C2026
	, o	6 AWG				30-C2216	30-C2216	30-C2216	30-C2216	30-C2216			30-C2222	30-C2222	30-C2226	30-C2226	30-C2226
	Wire	8 AWG					30-C2216	30-C2216	30-C2216	30-C2216				30-C2222	30-C2226	30-C2226	30-C2226
	7	10 AWG						30-C2616	30-C2616	30-C2616					30-C2626	30-C2626	30-C2626
		12 AWG							30-C2616	30-C2616						30-C2626	30-C2626
		14 AWG								30-C2616							30-C2626

Note: Crimp connections on larger gauge wire (2 #8, 2 #6, 1 #8, 1 #6 or 1 #4) require IDEAL #88-843 Mechanical Indentor and Crimp Tool. Crimps connections for #14 - #10 AWG with 1/2 in. strip length.

Table 2: Crimp Variations (14-10 AWG with 1/2 in. strip length, use 30-425 and 30-429)

Base Part	Variation (If applicable)						
Number (Hot)	Neutral	Dual	Paired	Non-Breakaway			
30-C1212	30-C1212N	30-C1212D	30-C1212P				
30-C1216	30-C1216N	30-C1216D	30-C1216P				
30-C1616	30-C1616N	30-C1616D	30-C1616P				
30-C1222	30-C1222N						
30-C1226	30-C1226N						
30-C1622	30-C1622N						
30-C1626	30-C1626N						
30-C2012	30-C2012N			30-C2012T			

Base Part	Variation (If applicable)						
Number (Hot)	Neutral	Dual	Paired	Non-Breakaway			
30-C2016	30-C2016N			30-C2016T			
30-C2216	30-C2216N			30-C2216T			
30-C2616	30-C2616N			30-C2616T			
30-C2022	30-C2022N						
30-C2026	30-C2026N						
30-C2222	30-C2222N						
30-C2226	30-C2226N						
30-C2626	30-C2626N						

Table 3: Set			3: Set								Lo	ad						
Screw Base Part numbers		1 Wire							2 Wire									
		2 AWG	4 AW	G	6 AWG	8 AWG	10 AWG	12 AWG	14 AWG	2 AWG	4 AWG	6 AWG	8 AWG	10 AWG	12 AWG	14 AWG		
			2 AWG	30-S1212	30-S12	12	30-S1212	30-S1212	30-S1212	30-S1212	30-S1212	30-S1222						
			4 AWG		30-S12	.12	30-S1212	30-S1212	30-S1212	30-S1212	30-S1212		30-S1222	30-S1222	30-S1222	30-S1222	30-S1222	30-S1222
		Ф	6 AWG				30-S1212	30-S1212	30-S1212	30-S1212	30-S1212			30-S1222	30-S1222	30-S1222	30-S1222	30-S1222
		Wire	8 AWG	ONE KIT	(IT 🗌			30-S1212	30-S1212	30-S1212	30-S1212				30-S1222	30-S1222	30-S1222	30-S1222
		_	10 AWG	WILL COV	/ER				30-S1212	30-S1212	30-S1212					30-S1222	30-S1222	30-S1222
			12 AWG	A LARG						30-S1212	30-S1212						30-S1222	30-S1222
	Line		14 AWG								30-S1212							30-S1222
•	5 [2 AWG	30-S2212	30-S22	212	30-S2212	30-S2212	30-S2212	30-S2212	30-S2212	30-S2222						
			4 AWG		30-S22	212	30-S2212	30-S2212	30-S2212	30-S2212	30-S2212		30-S2222	30-S2222	30-S2222	30-S2222	30-S2222	30-S2222
		е	6 AWG				30-S2212	30-S2212	30-S2212	30-S2212	30-S2212			30-S2222	30-S2222	30-S2222	30-S2222	30-S2222
		Wire	8 AWG					30-S2212	30-S2212	30-S2212	30-S2212				30-S2222	30-S2222	30-S2222	30-S2222
		2	10 AWG						30-S2212	30-S2212	30-S2212					30-S2222	30-S2222	30-S2222
			12 AWG							30-S2212	30-S2212						30-S2222	30-S2222
			14 AWG			T					30-S2212							30-S2222

Table 4: Set Screw Variations

Base Part Number	Variation (If applicable)						
Base Part Number	Neutral	Dual	Paired	Non-Breakaway			
30-S1212	30-S1212N	30-S1212D	30-S1212P				
30-S1222	30-S1222N						
30-S2212	30-S2212N			30-S2212T			
30-S2222	30-S2222N	30-S2222D	30-S2222P				

Note: For combination 2 wire line (2-14 AWG Set Screw) and 1 wire load (6-14 AWG Crimp), use 30-B2216.

In-Line Fused



Description	1 Line Side	1 Load Side	Part No.
In-Line Breakaway, set screw; fused (Hot)	2-14 AWG	2-14 AWG	30-S1212
In-Line Breakaway, crimp; fused (Hot)	2-4 AWG	2-4 AWG	30-2C112
In-Line Breakaway, crimp; fused (Hot)	2-4 AWG	6-14 AWG	30-C1216
In-Line Breakaway, crimp; fused (Hot)	6-14 AWG	6-14 AWG	30-C1616

In-Line **Non-Fused**



Description	1 Line Side	1 Load Side	Part No.
In-Line Breakaway, set screw; non-fused (Neutral)	2-14 AWG	2-14 AWG	30-S1212N
In-Line Breakaway, crimp; non-fused (Neutral)	2-4 AWG	2-4 AWG	30-C1212N
In-Line Breakaway, crimp; non-fused (Neutral)	2-4 AWG	6-14 AWG	30-C1216N
In-Line Breakaway, crimp; non-fused (Neutral)	6-14 AWG	6-14 AWG	30-C1616N

Y-Tap Fused



Description	2 Line Side	1 Load Side	Part No.
Y-Tap Breakaway, set screw; fused (Hot)	2-14 AWG	2-14 AWG	30-S2212
Y-Tap Breakaway, crimp; fused (Hot)	2-4 AWG	2-4 AWG	30-C2012
Y-Tap Breakaway, crimp; fused (Hot)	2-4 AWG	6-14 AWG	30-C2016
Y-Tap Breakaway, crimp; fused (Hot)	6-8 AWG	6-14 AWG	30-C2216
Y-Tap Breakaway, crimp; fused (Hot)	10-14 AWG	6-14 AWG	30-C2616
Combination Y-Tap Breakaway, fused (Hot)	2-14 AWG set screw	6-14 AWG crimp	30-B2216

Y-Tap Non-Fused



non-fused (Neutral) Y-Tap Breakaway, crimp; 2-4 AWG 6-14 AWG 30-C2016N non-fused (Neutral) Y-Tap Breakaway, crimp; 6-8 AWG 6-14 AWG 30-C2216N non-fused (Neutral) Y-Tap Breakaway, crimp; 10-14 AWG 6-14 AWG 30-C2616N non-fused (Neutral)

Non-Breakaway Fused



Description	2 Line Side	1 Load Side	Part No.
Y-Tap Non-Breakaway, set screw; fused (Hot)	2-14 AWG	2-14 AWG	30-S2212T
Y-Tap Non-Breakaway, crimp; fused (Hot)	2-4 AWG	2-4 AWG	30-C2012T
Y-Tap Non-Breakaway, crimp; fused (Hot)	2-4 AWG	6-14 AWG	30-C2016T
Y-Tap Non-Breakaway, crimp; fused (Hot)	6-8 AWG	6-14 AWG	30-C2216T
Y-Tap Non-Breakaway, crimp; fused (Hot)	10-14 AWG	6-14 AWG	30-C2616T

Dual In-Line Fused



Description	1 Line Side	1 Load Side	Part No.
Dual In-Line Breakaway, set screw; fused (both Hot)	2-14 AWG	2-14 AWG	30-S1212D
Dual In-Line Breakaway, crimp; fused (both Hot)	2-4 AWG	2-4 AWG	30-C1212D
Dual In-Line Breakaway, crimp; fused (both Hot)	2-4 AWG	6-14 AWG	30-C1216D
Dual In-Line Breakaway, crimp; fused (both Hot)	6-14 AWG	6-14 AWG	30-C1616D

Single-Pole In-Line Paired

Description	1 Line Side	1 Load Side	Part No.
Paired In-Line Breakaway, set screw; one fused (Hot); one non-fused (Neutral)	2-14 AWG	2-14 AWG	30-S1212P
Paired In-Line Breakaway, crimp; one fused (Hot); one non-fused (Neutral)	2-4 AWG	2-4 AWG	30-C1212P
Paired In-Line Breakaway, crimp; one fused (Hot); one non-fused (Neutral)	2-4 AWG	6-14 AWG	30-C1216P
Paired In-Line Breakaway, crimp; one fused (Hot); one non-fused (Neutral)	6-14 AWG	6-14 AWG	30-C1616P



SLK accepts solid or stranded and copper or aluminum conductors.

One Wire Line/2 Wires Load Fused



Description	1 Line Side	2 Load Side	Part No.
Y-Tap Breakaway, set screw; fused (Hot)	2-14 AWG	2-14 AWG	30-S1222
Y-Tap Breakaway, crimp; fused (Hot)	2-4 AWG	6-8 AWG	30-C1222
Y-Tap Breakaway, crimp; fused (Hot)	2-4 AWG	10-14 AWG	30-C1226
Y-Tap Breakaway, crimp; fused (Hot)	6-14 AWG	6-8 AWG	30-C1622
Y-Tap Breakaway; crimp; fused (Hot)	6-14 AWG	10-14 AWG	30-C1626

Two Wires Line/2 Wires Load Fused



Description	2 Line Side	2 Load Side	Part No.
2-Pole Breakaway, set screw; fused (Hot)	2-14 AWG	2-14 AWG	30-S2222
2-Pole Breakaway, crimp; fused (Hot)	2-4 AWG	6-8 AWG	30-C2022
2-Pole Breakaway, crimp; fused (Hot)	2-4 AWG	10-14 AWG	30-C2026
2-Pole Breakaway, crimp; fused (Hot)	6-8 AWG	6-8 AWG	30-C2222
2-Pole Breakaway, crimp; fused (Hot)	6-8 AWG	10-14 AWG	30-C2226
2-Pole Breakaway, crimp; fused (Hot)	10-14 AWG	10-14 AWG	30-C2626

2-Pole Dual Fused



Description	2 Line Side	2 Load Side	Part No.
Dual 2-Pole Breakaway, set screw; fused (both Hot)	2-14 AWG	2-14 AWG	30-S2222D

Y-Tap Dual Fused



Description	2 Line Side	1 Load Side	Part No.
Dual, Y-Tap Breakaway, set screw;	2-14	2-14	30-S2212D
fused (both Hot)	AWG	AWG	

SLK accepts solid or stranded and copper or aluminum conductors.

One Wire Line/2 Wires Load Non-Fused



Description	1 Line Side	2 Load Side	Part No.
Y-Tap Breakaway, set screw;	2-14	2-14	30-S1222N
non-fused (Neutral)	AWG	AWG	
Y-Tap Breakaway, crimp; non- fused (Neutral)	2-4 AWG	6-8 AWG	30-C1222N
Y-Tap Breakaway, crimp; non-	2-4	10-14	30-C1226N
fused (Neutral)	AWG	AWG	
Y-Tap Breakaway, crimp; non- fused (Neutral)	6-14 AWG	6-8 AWG	30-C1622N
Y-Tap Breakaway; crimp; non-	6-14	10-14	30-C1626N
fused (Neutral)	AWG	AWG	

Two Wire Lines/2 Wires Load Non-Fused

Description

2 Line Side Side Part No.

Description	2 Line Side	2 Load Side	Part No.
2-Pole Breakaway, set screw; non-fused (Neutral)	2-14 AWG	2-14 AWG	30-S2222N
2-Pole Breakaway, crimp; non- fused (Neutral)	2-4 AWG	6-8 AWG	30-C2022N
2-Pole Breakaway, crimp; non- fused (Neutral)	2-4 AWG	10-14 AWG	30-C2026N
2-Pole Breakaway, crimp; non- fused (Neutral)	6-8 AWG	6-8 AWG	30-C2222N
2-Pole Breakaway, crimp; non- fused (Neutral)	6-8 AWG	10-14 AWG	30-C2226N
2-Pole Breakaway, crimp; non- fused (Neutral)	10-14 AWG	10-14 AWG	30-C2626N

2-Pole Paired



Description	2 Line Side	2 Load Side	Part No.
Paired 2-Pole Breakaway, set screw; one fused (Hot); one non-fused (Neutral)		2-14 AWG	30-S2222P

Fuseholders (No Boot Included)



30-HC2

Description	1 Line Side	1 Load Side	Part No.
Fuseholder only, non-breakaway, set screw, fused	2-14 AWG	2-14 AWG	30-HS2
Fuseholder only, non-breakaway, crimp, fused	2-4 AWG	2-4 AWG	30-HC2
Fuseholder only, non-breakaway, crimp, fused	6-14 AWG	6-14 AWG	30-HC6

Breakaway Streetlight Connector & Splice Insulating Kits



- · Safe and easy installation in five minutes or less
- · No special equipment necessary requires only a knife, wire stripper, and a hex tool or crimp tool
- · Built-in break-away design eliminates de-energization of complete circuits
- Safely separates upon impact without breaking wires eliminates potential danger and electrical shock
- Spring-loaded contacts compensate for thermal expansion to maintain integrity of connection (breakaway models)



Application Guide

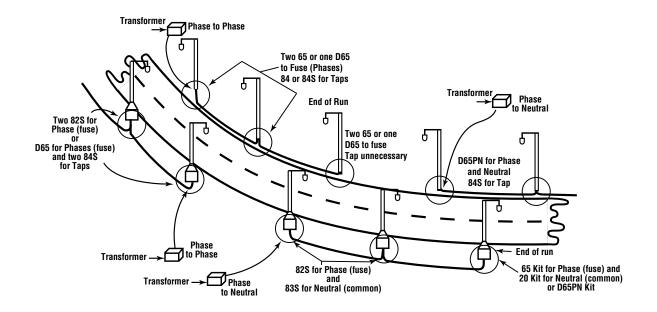
(Examples of Several Configurations)

For Poles with Transformer Bases, Standard Bases and Junction Boxes

Underground Feed Phase to Phase			
Configurations	Comments		
D65 dual-in-line for phases and two 84S kits for taps	Recommended configuration		
Two 82S Y-Tap Kits for phases and taps	Cost effective		
Underground Feed Phase to Neutral			
DP65PN dual-in-line for phase and neutral and two 84S kits for tap	Recommended configuration		
One 82S Y-Tap Kit for phase and tap and one 83S Y-Tap Kit for neutral and tap	Cost effective		

For Lights Mounted to Utility Poles, etc.

Overhead Feed	
Configurations	Comments
Two B-Tap® Insulation Piercing Connectors for phase and/or tap (for insulated conductors only)	Recommended configuration, see B-Tap® Insulation Piercing Connectors on page A-37.



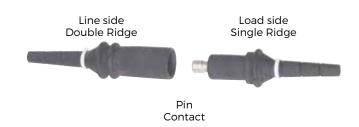
Note: Fused kits require a 13/32 in. x 1-1/2 in. fuse. **DO NOT USE GLASS OR INDICATING TYPES.** Waterproof or direct burial wire is recommended. **THHN is NOT recommended.**

In-Line Fused (Hot)



Description	1 Line Side	1 Load Side	Part No.
In-Line Breakaway, crimp, fused	12-6 AWG Cu	12-6 AWG Cu	65U
In-Line Breakaway, crimp, fused	4-2 AWG Cu	12-6 AWG Cu	65LC-U
In-Line Breakaway, crimp, fused	4-2 AWG Cu	4-2 AWG Cu	65-LC

In-Line Non-Fused (Neutral)



Description	1 Line Side	1 Load Side	Part No.
In-Line Breakaway, crimp, non-fused	12-6 AWG Cu	12-6 AWG Cu	20U
In-Line Breakaway, crimp, non-fused	4-2 AWG Cu	12-6 AWG Cu	20-LC-U
In-Line Breakaway, crimp, non-fused	4-2 AWG Cu	4-2 AWG Cu	20-LC

Dual In-Line Fused (Both Hot)



Fuse (not included)

Description	1 Line Side	1 Load Side	Part No.
Dual In-Line Breakaway,	12-6 AWG	12-6 AWG	D65U
crimp, fused	Cu	Cu	
Dual In-Line Breakaway,	4-2 AWG	12-6 AWG	D65-LC-U
crimp, fused	Cu	Cu	
Dual In-Line Breakaway,	4-2 AWG	4-2 AWG	D65-LC
crimp, fused	Cu	Cu	

Paired In-Line Non-Fused (One Hot, One Neutral)



Description	1 Line Side	1 Load Side	Part No.
Paired In-Line Breakaway,	12-6 AWG	12-6 AWG	D65PN-U
crimp, non-fused	Cu	Cu	
Paired In-Line Breakaway,	4-2 AWG	12-6 AWG	D65PN-LC-U
crimp, non-fused	Cu	Cu	
Paired In-Line Breakaway,	4-2 AWG	4-2 AWG	D65PN-LC
crimp, non-fused	Cu	Cu	

Stated wire range for crimping stranded conductors. For crimping solid wire: 14-4 AWG, use codes. U, 2 AWG use code LC. Note: Fused Kits require a 13/32 in. x 1-1/2 in. fuse. DO NOT USE GLASS OR INDICATING TYPES. Waterproof or direct burial wire is recommended. THHN is NOT recommended. Insulation O.D. range is .120 in. - .430 in.



Y-Tap Fused (Hot)

Line side Y Insert Load side housing (receptacle) Assembly housing (plug)



Fuse (not included)

Description	2 Line Side Set Screw	1 Load Side Crimp	Part No.
Y-Tap Breakaway, fused	10-2 AWG Cu/Al	12-6 AWG Cu	82S-ADB1-C
Y-Tap Breakaway, fused	10-2 AWG Cu/Al	4-2 AWG Cu	82S-ADB1-LC
Y-Tap Breakaway, fused	10-2 AWG Cu/Al	12-6 AWG Cu	82S-EAFB1-C
Y-Tap Breakaway, fused	10-2 AWG Cu/Al	4-2 AWG Cu	82S-EAFB1-LC

Y-Splice Kits (Non-Breakaway/No Fuse)

Line side Y Insert Load side housing (receptacle) Assembly housing (plug)



Terminal Block

Description	2 Line Side Set Screw	1 Load Side Set Screw	Part No.
Y-Splice Set Screw	10-2 AWG	10-2 AWG	84S-ADB1
Tap & Run	Cu/Al	Cu/Al	
Y-Splice Set Screw	10-2 AWG	10-2 AWG	84S-EAFB1
Tap & Run	Cu/Al	Cu/Al	

Y-Tap Non-Fused (Neutral)

Line side Y Insert Load side housing (receptacle) Assembly housing (plug)



Pin Contact

Description	2 Line Side Set Screw	1 Load Side Crimp	Part No.
Y-Tap Breakaway, non-fused	10-2 AWG Cu/Al	12-6 AWG Cu	83S-ADB1-C
Y-Tap Breakaway, non-fused	10-2 AWG Cu/Al	4-2 AWG Cu	83S-ADB1-LC
Y-Tap Breakaway, non-fused	10-2 AWG Cu/Al	12-6 AWG Cu	83S-EAFB1-C
Y-Tap Breakaway, non-fused	10-2 AWG Cu/Al	4-2 AWG Cu	83S-EAFB1-LC



Example:

A Y-Tap Kit with set screws for a 2 AWG phase line side conductor with a diameter of .472 in. and a 10 AWG copper load side conductor is ordered as an 82S-EAFB1-C

For Insulation O.D. range .120 in. - .430 in. use ADB1. For Insulation O.D. range .420 in. - .785 in. use EAFB1

Stated wire range for crimping stranded conductors. For crimping solid wire: 14-4 AWG, use codes. U, 2 AWG use code LC. Note: Fused Kits require a 13/32 in. x 1-1/2 in. fuse. DO NOT USE GLASS OR INDICATING TYPES. Waterproof or direct burial wire is recommended. THHN is NOT recommended.



ELECTRICAL CRIMP TERMINALS

The complete line of IDEAL crimp terminals, disconnects and splices offer the right product for any electrical system that might be encountered. From rings and spades to insulated disconnects, there's a product for any wire range. All insulated terminals are color-coded for easy identification and come in durable plastic packaging for easy storage.

- · Butted seam-construction prevents splitting under maximum pressure
- · Internal barrel serrations grip wires tightly to resist pull-out and reduce electrical resistance
- Tin-plated brass construction for corrosion resistance
- Shouldered barrel insulation quickly positions terminal for proper crimping
- Expanded insulation entry accommodates a wide variety of insulation diameters and provides additional insulation support

Rings & Forks



Disconnects



Splices





Ring Terminals

Vinyl Insulated Ring Terminals

Wire Range	Stud Size in.	Max. Wire Ins. Dia.	Qty.	Part No.	Qty.	Part No.
22 – 18 AWG	6 (3,7mm)		25	83-2121	_	_
(0,5 – 1,0mm ²)	8 (4,3mm)	0.157	25	83-2131	_	_
	10 (5,3mm)	(4,0mm)	25	83-2141	_	_
	1/4 (6,4mm)		25	83-2151	_	_
16 - 14 AWG	6 (3,7mm)		25	83-2221	_	_
(1,5 – 2,5mm ²)	8 (4,3mm)	0.177	25	83-2231	_	_
	10 (5,3mm)	(4,5mm)	25	83-2241	1,000	84-2241
	1/4 (6,4mm)		25	83-2251	_	_
12 - 10 AWG	8 (4,3mm)		25	83-2331	_	_
(4,0 – 6,0mm²)	10 (5,3mm)	0.27.0	25	83-2341	1,000	84-2341
	1/4 (6,4mm)	0.248 (6,3mm)	25	83-2351	_	_
	5/16 (8,4mm)	(0,511111)	25	83-2361	_	_
	3/8 (10,5mm)		25	83-2371	_	_

75°C/600 Volts max.

Non-Insulated Ring Terminals



Wire Range	Stud Size	Qty.	Part No.	Qty.	Part No.		
22 - 18 AWG	8 (4,3mm)	25	83-0131	_	_		
(0,5 – 1,0mm ²)	10 (5,3mm)	25	83-0141	_	_		
16 1/ 4)4/6	6 (3,7mm)	25	83-0221	_	_		
16 - 14 AWG (1,5 - 2,5mm²)	8 (4,3mm)	25	83-0231	_	_		
(1,5 - 2,5111111)	10 (5,3mm)	25	83-0241	1,000	84-0241		
12 10 414/6	8 (4,3mm)	25	83-0331	_	_		
12 – 10 AWG (4,0 – 6,0mm²)	10 (5,3mm)	25	83-0341	1,000	84-0341		
(), 0 0,0 1 1 1 1 7	1/4 (6,4mm)	25	83-0351	_	_		
	10 (5,3mm)	25	83-0421	500	84-0421		
8 AWG	1/4 (6,4mm)	25	83-0431	_	_		
(8,0mm²)	5/16 (8,4mm)	25	83-0441	_	_		
	3/8 (10,5mm)	25	83-0451	_	_		
	10 (5,3mm)	20	83-0511	_	_		
6 AWG	1/4 (6,4mm)	20	83-0521	_	_		
(14,0mm²)	5/16 (8,4mm)	20	83-0531	_	_		
	3/8 (10,5mm)	20	83-0541	_	_		
4 AWG	1/4 (6,4mm)	20	83-0611	_	_		
(22,0mm²)	5/16 (8,4mm)	20	83-0621	_	_		
	3/8 (10,5mm)	20	83-0631	_	_		

105°C/600 Volts max.



Spade Terminals

Vinyl Insulated Spade Terminals

Wire Range	Stud Size	Max. Wire Ins. Dia.	Qty.	Part No.	Qty.	Part No.
22 – 18 AWG	6 (3,7mm)		25	83-7111	1,000	84-7111
(0,5 – 1,0mm²)	8 (4,3mm)	0.157 (4.0mm)	25	83-7121	_	-
	10 (5,3mm)	(4,011111)	25	83-7131	_	_
16 – 14 AWG	6 (3,7mm)		25	83-7151	_	-
(1,5 – 2,5mm²)	8 (4,3mm)	0.177 (4,5mm)	25	83-7161	1,000	84-7161
	10 (5,3mm)	(), 5 ,	25	83-7171	1,000	84-7171
12 - 10 AWG	6 (3,7mm)		25	83-7201	_	-
(4,0 – 6,0mm²)	8 (4,3mm)	0.248	25	83-7211	_	-
	10 (5,3mm)	(6,3mm)	25	83-7221	500	84-7221
	1/4 (6,4mm)		25	83-7231	_	_

75°C/600 Volts max.

Wire Connecto 774A Cu only c

Vinyl Insulated Snap Spade Terminals

Wire Range	Stud Size	Max. Wire Ins. Dia.	Qty.	Part No.
AWG	In.	In.		
22 – 18 AWG	6 (3,7mm)		25	83-7011
(0,5 – 1,0mm²)	8 (4,3mm)	0.134 (4,0mm)	25	83-7021
	10 (5,3mm)	(4,011111)	25	83-7031
16 - 14 AWG	6 (3,7mm)	0.161	25	83-7051
(1,5 – 2,5mm²)	8 (4,3mm)	0.161 (4.5mm)	25	83-7061
	10 (5,3mm)	(1,511111)	25	83-7071
12 - 10 AWG	8 (4,3mm)		25	83-7081
(4,0 – 6,0mm²)	10 (5,3mm)	0.248 (6,0mm)	25	83-7091
San Common	1/4 (6,4mm)	(3,3.1111)	25	83-7101

75°C/600 Volts max.





Non-Insulated Spade Terminals



Wire Range	Stud Size	Max. Wire Ins. Dia.	Qty.	Part No.	Qty.	Part No.
	6 (3,7mm)		25	83-6111	_	_
22 - 18 AWG (0.5 - 1.0mm ²)	22 - 18 AWG 0,5 - 1,0mm ²) 8 (4,3mm) 0.157 (4,0mm)	25	83-6121	_	-	
(0,5 - 1,011111)		(4,011111)	25	83-6131	_	_
16 - 14 AWG	8 (4,3mm)	0.177	25	83-6161	_	-
(1,5 - 2,5mm²)	10 (5,3mm)	(4,5mm)	25	83-6171	1,000	84-6171
	8 (4,3mm)		25	83-6211	_	-
12 - 10 AWG (4,0 - 6,0mm²)	10 (5,3mm)	0.248 (6,3mm)	25	83-6221	_	_
(.,, 0 ,	1/4 (6,4mm)	(=,=:::::)	25	83-6231	_	_

105°C/600 Volts max.



Wire Connecto 774A



Disconnects

Vinyl Insulated Female Disconnects

Wire Range	Tab Size	Max. Wire Ins. Dia.	Qty.	Part No.	Qty.	Part No.
22 - 18 AWG (0,5 - 1,0mm²)	.110 x .020 (2,8mm x 0,5mm)		25	83-9511	_	-
400	.187 x .020 (4,75mm x 0,5mm)	(3,8mm) (3,8mm)	25	83-9541	_	-
	.250 x .032 (6,35mm x 0.8mm)		25	83-9571	_	-
16 – 14 AWG (1,5 – 2,5mm²)	.110 x .020 (2,8mm x 0,5mm)		25	83-9521	_	-
A 100	.187 x .020 (4,75mm x 0,5mm)	0.185 (4,7mm)	25	83-9551	_	-
	.250 x .032 (6,35mm x 0.8mm)		25	83-9581	500	84-9581
14 - 12 AWG (2,5mm - 4,0mm²)	.250 x .032 (6,35mm x 0.8mm)	0.244 (6,2mm)	25	83-9591	_	-
12 – 10 AWG (4,0 – 6,0mm²)	.250 x .032 (6,35mm x 0.8mm)	0.244 (6,2mm)	25	83-9601	500	84-9601

75°C/600 Volts max.

Wire Connector	Cu
774A	only c

Vinyl Insulated Male Disconnects

Wire Range	Tab Size	Max. Wire Ins. Dia.	Qty.	Part No.
22 - 18 AWG (0,5 - 1,0mm²)	.250 x .032 (6,35mm x 0,8mm)	0.150 (3,8mm)	25	83-9971
16 - 14 AWG (1,5 - 2,5mm²)	.250 x .032 (6,35mm x 0,8mm)	0.185 (4,7mm)	25	83-9981
12 - 10 AWG (4,0 - 6,0mm²)	.250 x .032 (6,35mm x 0,8mm)	0.244 (6,2mm)	25	83-9991

 $75^{\circ}\text{C}/300 \text{ Volts max}.$

Wire Connector Cu only C UL

Non-Insulated Female Disconnects

Wire Range	Tab Size	Qty.	Part No.
22 - 18 AWG (0,5 - 1,0mm²)	.110 x .020 (2,8mm x 0,5mm)	25	83-9411
16 - 14 AWG (1,5 - 2,5mm²)	.110 x .020 (2,8mm x 0,5mm)	25	83-9421
22 - 18 AWG (0,5 - 1,0mm²)	.187 x .020 (4,75mm x 0,5mm)	25	83-9441
16 - 14 AWG (1,5 - 2,5mm²)	.187 x .020 (4,75mm x 0,5mm)	25	83-9451
22 - 18 AWG (0,5 - 1,0mm²)	.250 x .032 (6,35mm x 0,8mm)	25	83-9471
16 – 14 AWG (1,5 – 2,5mm²)	.250 x .032 (6,35mm x 0,8mm)	25	83-9481
12 - 10 AWG (4,0 - 6,0mm²)	.250 x .032 (6,35mm x 0,8mm)	25	83-9501

105° C/300 Volts max. Not UL Listed.

Nylon Fully-Insulated Female Disconnects

Wire Range	Tab Size	Max. Wire Ins. Dia.	Qty.	Part No.	Qty.	Part No.
22 – 18 AWG (0,5 – 1,0mm²)	.250 x .032 (6,35mm x 0,8mm)	0.150 25 83-977		83-9771	1,000	84-9771
16 – 14 AWG (1,5 – 2,5mm²)	.250 x .032 (6,35mm x 0,8mm)	25 83-978	83-9781	1,000	84-9781	
12 - 10 AWG (4,0 - 6,0mm²)	.250 x .032 (6,35mm x 0,8mm)	25 83-9		83-9791	500	84-9791

105° C/300 Volts max.

Wire Connector 774A LISTED	Cu only	ւՄ

Nylon Fully Insulated Male Disconnects

Wire Range	Tab Size	Max. Wire Ins. Dia.	Qty.	Part No.	Qty.	Part No.
22 - 18 AWG (0,5 - 1,0mm²)	.250 x .032 (6,35mm x 0,8mm)	0.150 (3,8mm)	25	83-9911	500	84-9911
16 – 14 AWG (1,5 – 2,5mm²)	.250 x .032 (6,35mm x 0,8mm)	25 83-997		83-9921	500	84-9921
12 - 10 AWG (4,0 - 6,0mm²)	.250 x .032 (6,35mm x 0,8mm)	0.244 (6,2mm)	25	83-9931	500	84-9931

105° C/300 Volts max.



Vinyl Insulated Bullet Disconnects

Wire Range	Max. Wire Ins. Dia.	Qty.	Part No.
22 - 18 AWG (0,5mm - 1,0mm²)	0.150 (3,8mm)	25	83-8001
16 - 14 AWG (1,5 - 2,5mm²)	0.185 (4,7mm)	25	83-8011

75°C/300 Volts max.



Vinyl Fully-Insulated Receptacles

Wire Range	Max. Wire Ins. Dia.	Qty.	Part No.
22 - 18 AWG (0,5mm - 1,0mm²)	0.150 (3,8mm)	25	83-8101
16 – 14 AWG (1,5 – 2,5mm²)	0.185 (4,7mm)	25	83-8111

75°C/300 Volts max.



Disconnects

Vinyl Insulated Multi-Stack Disconnects

Wire Range	Tab Size	Max. Wire Ins. Dia.	Qty.	Part No.
22 – 18 AWC (0,5 – 1,0mm²)	.250 x .032 (6,35mm x 0,8mm)	0.15 (3,8mm)	25	83-9611
16 – 14 AWG (1,5 – 2,5mm²)	.250 x .032 (6,35mm x 0,8mm)	0.185 (4,7mm)	25	83-9621
12 - 10 AWG (4,0 - 6,0mm²)	.250 x .032 (6,35mm x 0,8mm)	0.244 (6,2mm)	25	83-9631

75°C/300 Volts max.



Non-Insulated Flag Female **Disconnects**

Wire Range	Tab Size	Qty.	Part No.	Qty.	Part No.
16 – 14 AWG (1,5 –2,5mm²)	0.250 x .032 (6,35mm x 0,8mm)	25	83-9401	500	84-9401

105°C/300 Volts max. Not UL Listed.

Adapter - Male to Female (2-1)

Tab Size	Qty.	Part No.
0.250 x .032 (6,35mm x 0,8mm)	25	83-9801

105° C/300 Volts max. Not UL Listed.

Vinyl Insulated Butt Splices

Wire Range	Max. Wire Ins. Dia.	Qty.	Part No.	Qty.	Part No.
22 – 18 AWG (0,5 – 1,0mm²)	0.157 (4,0mm)	25	83-9281	1,000	84-9281
16 – 14 AWG (1,5 – 2,5mm²)	0.177 (4,5mm)	25	83-9291	1,000	84-9291
12 - 10 AWG (4,0 - 6,0mm²)	0.248 (6,3mm)	25	83-9301	500	84-9301

75°C/600 Volts max.



Splices

Tap Splices

Wire Range	Color	Qty.	Part No.	Qty.	Part No.
22 – 18 AWG (0,5 – 1,0mm²)	Red	25	83-3261	250	84-3261
16 – 14 AWC (1,5 – 2,5mm²)	Blue	25	83-3271	_	_
12 – 10 AWG (4,0 – 6,0mm²)	Yellow	25	83-3281	_	_

75°C/600 Volts max.

Vinyl Insulated Parallel Splices



Wire Range	Max. Wire Ins. Dia.	Qty.	Part No.
22 - 18 AWG (0,5 - 1,0mm²)	0.157 (4,0mm)	25	83-9351
16 - 14 AWG (1,5 - 2,5mm²)	0.177 (4,5mm)	25	83-9361
12 - 10 AWG (4,0 - 6,0mm²)	0.248 (6.3mm)	25	83-9371

75°C/600 Volts max.



Non-Insulated **Butt Splices**



Wire Range	Qty.	Part No.	Qty.	Part No.
22 - 18 AWG (0,5 - 1,0mm²)	25	83-9001	_	_
16 – 14 AWG (1,5 – 2,5mm²)	25	83-9011	_	_
12 - 10 AWG (4,0 - 6,0mm²)	25	83-9021	500	84-9021
8 AWG (8,0mm²)	25	83-9031	250	84-9031
6 AWG (14,0mm²)	20	83-9041	_	_
4 AWG (22,0mm²)	20	83-9051	_	_

105° C/600 Volts max. Not UL Listed.

Non-Insulated Parallel Splices



Wire Range	Qty.	Part No.	Qty.	Part No.
22 – 18 AWG (0,5 – 1,0mm²)	25	83-9071	_	_
16 – 14 AWG (1,5 – 2,5mm²)	25	83-9081	1,000	84-9081
12 - 10 AWG (4,0 - 6,0mm²)	25	83-9091	1,000	84-9091

105° C/600 Volts max. Not UL Listed.

Pre-Insulated Crimp Connectors



- · Compact design fits easily into tight locations
- · Flared skirt protects against turned-back strands
- · Beveled opening eases wire entry
- Tough UL 94V-2 flame-retardant shell rated at 105°C (221°F)

Model	Wire Combination Range	Quantity	Part No.
10	600V*	Carton of 1,000	30-245
48	Min. 2 #22 Max. 1 #14 w/2 #18	Keg of 10,000	30-645
	600V*	Carton of 1,000	30-249
49	Min. 1 #22 w/1 #18 Max. 1 #12 w/1 #16	Keg of 10,000	30-649
NC 0	600V*	Carton of 1,000	30-148
NC-8	Min. 4 #16 Max. 1 #12 w/4 #14	Keg of 5,000	30-648
NIC 2212**	600V* C-2212** Min. 2 #22 Max. 5 #18		30-146
NC-2212***			30-646

^{*1,000}V maximum in fixtures and signs.

Note: Connectors are transparent. **Stranded wires only.



High-Temp Pre-Insulated Crimp Connectors

All of the same features as the Pre-Insulated Crimp Connectors, plus:

 Black, nylon shell designed to withstand extreme heat build-up found in high-wattage light fixtures and signs.



UL Listed to 150°C (302°F)

Model	Wire Combination Range	Quantity	Part No.
49HT	600V* Min. 1 #22 w/1 #18	Keg of 10,000	30-849

^{*1000}V maximum in fixtures and signs.



Set Screw Wire Connectors

- Eliminates need for re-stripping wire each time connection is disturbed
- · Solid brass sleeves
- Set-screw easily and securely applies maximum compression to conductors to ensure a vibrationresistant splice
- · Permits fast visual inspection of splice
- Tough, flame-retardant shell rated at 150°C (302°F)
- UL Listed to 486C and CSA Certified to C22.2 #188; comply with Federal Specification W-S-610E

	Model	Wire Combination Range	Quantity*	Part No.
		300V	Box of 100	30-210
	10	22 to 10 AWG Min. 1 #20 w/1 #22 - Max. 2 #14 w/1 #16	Carton of 1,000	30-310
		600V	Box of 100	30-211*
	11	22 to 10 AWG Min. 1 #14 w/1 #20 - Max. 3 #14 w/2 #18	Carton of 1,000	30-311*
		600V		30-222*
	22	20 to 10 AWG Min. 1 #16 w/3 #18 - Max. 2 #10 w/1 #12	Carton of 1,000	30-322*

^{*}Package includes (1) K-2422 Set Screw Holder.



Set Screw Holder



- Convenient tool for holding and tightening set-screw connectors
- · Accepts IDEAL Models 11 and 22 set-screw connectors

Description	Part No.
For Connector Models 11 & 22	K-2422

TERMINAL STRIPS

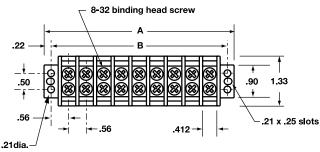
IDEAL Terminal and Barrier Strips are designed and manufactured to be rugged, reliable and easy to use. A thermoplastic base and corrosion-resistant screws and hardware provide extended service life. Optional accessories provide convenient, versatile application. Available in a wide variety of circuit configurations, electrical ratings and center-spacing, there is an IDEAL terminal strip for virtually every job.

- Heavy-duty, corrosion-resistant screws, surface plates and optional hardware
- Accessory hardware provides a variety of termination options
- Rugged polyester thermoplastic base (UL Rated 94V-0)
- Operating temperature rated from 130°C (260°F) to -40°C (-40°F)
- UL Recognized (E82048) and CSA Certified (LR15364)

89-200 Series Terminal Strips

- · .562 in. (14.28mm) center spacing
- Accepts wire sizes from 10 through 22 AWG Cu
- #8-32 Philslot, zinc-plated steel terminal screws
- · Recommended torque: 16 in. Ib.







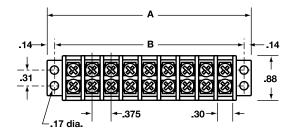
No of Dolor	Dimensio	Doub No.	
No. of Poles	A	В	Part No.
2	2.13	1.69	89-202
3	2.69	2.25	89-203
4	3.25	2.81	89-204
6	4.37	3.94	89-206
8	5.50	5.06	89-208
10	6.62	6.19	89-210
12	7.75	7.31	89-212

Ratings: 30A/600V UL Listed, CSA Certified (30A/250V when used with optional quick connects).

89-300 Series Terminal Strips

- · .375 in. (9.52mm) center spacing
- Accepts wire sizes from 14 through 22 AWG Cu
- #6-32 Philslot, zinc-plated steel terminal screws
- Recommended torque: 9 in. lb.





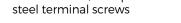


No of Dolor	Dimensio	Part No.	
No. of Poles	A	В	Part No.
2	1.40	1.12	89-302
4	2.16	1.88	89-304
6	2.90	2.62	89-306
8	3.66	3.38	89-308
10	4.40	4.12	89-310
12	5.16	4.88	89-312

Ratings: 30A/300V UL Listed, 20A/150V CSA Certified (15A/125V when used with optional quick connects).

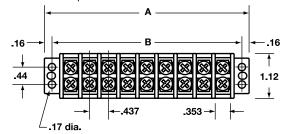
89-400 Series Terminal Strips

- · .437 in. (11.10mm) center spacing
- Accepts wire sizes from 12 through 22 AWG Cu
- #6-32 Philslot, zinc-plated





· Recommended torque: 9 in. - Ib.





No of Dolor	Dimensio	Doub No.			
No. of Poles	A	В	Part No.		
2	1.63	1.31	89-402		
4	2.51	2.18	89-404		
6	3.38	3.06	89-406		
8	4.25	3.93	89-408		
10	5.13	4.81	89-410		
12	6.00	5.68	89-412		

Ratings: 30A/300V UL Listed, CSA Certified.

Jumpers



Provides easy connection of multiple circuits

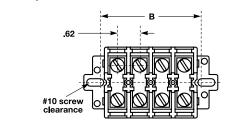
For use w/ Terminal Strip Series	Center Spacing (in.)	Qty.	Flat Slip-on Part No.	Over Barrier Slip-on Part No.	Flat 12-Circuit Part No.
89-200	EGO	10	89-229	89-224	_
89-200	.562	100	89-230	_	_
00.700	.375	10	89-323	89-324	_
89-300		100	89-330	_	_
00.700	/70	10	89-423	89-424	_
89-400	.437	100	89-430	_	_
89-500	.625	2	_	_	89-525

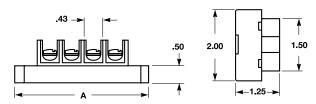
89-500 Series Terminal Strips





- Available in standard or shorting block styles
- .625 in. (15.88mm) center spacing
- Accepts wire sizes from 6 through 22 AWG Cu
- #10-32 Philslot, nickel-plated brass terminal screws
- Recommended torque: 20 in. Ib.





No. of		nsions hes)	Standard Block	Shorting Block		
Poles	A	В	Part No.	Part No.		
4	3.75	2.87	89-504	89-505		
6	5.00	4.12	89-506	89-507		
8	6.25	5.37	89-508	89-509		
12	8.75	7.87	89-512	89-513		

Ratings: 60A/600V UL Listed, CSA Certified (Max. rating achieved with #6 AWG Cu wire crimped to ring terminals)

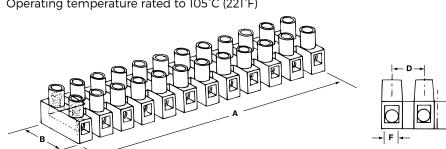
Quick Connects

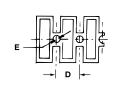
Allows fast, flexible circuit changes

For use w/Terminal Strip Series	Tab Size (in.)	Qty.	Flat- None Part No.	Flat-Flat Part No.	
89-300	.187 x .020	10	89-314	89-317	
89-200 & 89-400	.250 x .031	10	89-414	89-417	

BARRIER STRIPS

- · Recessed screws and tubular contacts provide added safety and help
- Tubular contacts connect stripped, un-terminated solid or stranded wire directly to each contact
- Integrated wire protectors prevent twisting and breakage of stranded wire during connection
- · Modular 12-circuit design can be cut into smaller sections, or stacked end-to-end
- · Rugged nylon construction, UL 94V2
- · Operating temperature rated to 105°C (221°F)





Electrical Polices	Win Danie	No. of	Torque	Dimensions (Inches)					Paul Ma	
Electrical Ratings Wir	Wire Range	Circuits	in lb.	A	В	С	D	E	F*	Part No.
20A/300V UL	22 12 414/6	10	7.5	7 505	0.660	0.550	0.715	0.117	0.110	00.500
20A/600V CSA	22 - 12 AWG 12	12	3.5	3.787	3.787 0.669	0.570	0.315	0.114	0.110	89-608
30A/300V UL	22 - 10 AWG	10	, ,	, 626	0.505	0.650	0.70/	01/2	0.177	00 510
30A/600V CSA	22 - 12 AWG	12	4.4	4.626	0.795	0.670	0.394	0.142	0.134	89-610
35A/300V UL/CUL	22 - 10 AWG	12	7.0	5.540	0.937	0.748	0.472	0.154	0.154	89-612
50A/300V UL/CUL	20 - 8 AWG	12	12.0	6.220	1.008	0.992	0.531	0.173	0.189	89-614

*Plus or minus .004 in.





INSULATION CONNECTORS

B-TAP® Insulation Piercing ConnectorsSafe, dependable and easy. The Buchanan B-TAP® Insulation Piercing Connector offers a breakaway torque nut that guarantees a perfect connection every time, no more guesswork. It simply snaps off when UL torque requirements are met. The grease-filled rubber end caps provide superior water and corrosion resistance, while the insulationpiercing design eliminates downtime and power interruptions.

That translates into a 60% installed cost savings compared to split bolts. Installation is easy; all you need is a standard socket or wrench. B-TAP® Connectors can be safely installed on energized systems, eliminating power interruptions and downtime.

B-TAP® Connectors...EASY AS 1, 2, 3.

- Select proper B-TAP® connector.
- Position cables. No need to turn off power.
- Tighten breakaway torque nut with a standard socket or wrench. 3.

To determine the most appropriate B-TAP® connector for a specific main and tap combination, see chart.



Wire Range Chart

	90 0	Wire Size																		
Par	t No.	14	12	10	8	6	4	3	2	1	1/0	2/0	3/0	4/0	250	300	350	400	500	750
BTC1/0-10	Main: 1/0 - 8																			
2.0,0.0	Tap: 2 - 10																			
BTC2/0-14	Main: 2/0 - 4																			
2102/011	Tap: 10 - 14																			
BTC4/0-12	Main: 4/0 - 2																			
D10-70 12	Tap: 4/0 - 4																			
BTC4/0-10	Main: 4/0 - 3																			
D10-7,0 10	Tap: 2 - 10																			
BTC4/0-6	Main: 4/0 - 2																			
D10-7,0 0	Tap: 2/0 - 6																			
BTC250-4	Main: 250 - 1																			
B10230 4	Tap: 4/0 - 4																			
BTC350-1/0	Main: 350 - 1/0																			
B10330 1/0	Tap: 350 - 1/0																			
BTC500-4	Main: 500 - 2/0																			
B1C300-4	Tap: 4/0 - 4																			
BTC500-1/0	Main: 500 - 4/0																			
B1C300-1/0	Tap: 350 - 1/0																			
BTC500-14	Main: 750 - 3/0																			
B1C300-14	Tap: 10 - 14																			
BTC750-250	Main: 750 - 250																			
B1C/30-250	Tap: 500 - 250																			

Full-line is 600V dual-rated, 194°F (90°C)

Conduct	or Range		Socket Size			
Run	Тар	Voltage Rating	(Inches)	Torque (In. Lbs.)	No. of Bolts	Part No.
1/0-8	2-10 ¹	600V	1/2	80	1	BTC1/0-10
2/0-4	10-14 ²	600V	1/2	80	1	BTC2/0-14
4/0-2	4/0-4	600V	1/2	160	1	BTC4/0-2
4/0-3	2-10 ³	600V	1/2	125	1	BTC4/0-10
4/0-2	2/0-6	600V	1/2	160	1	BTC4/0-6
250-1	4/0-4	600V	1/2	160	1	BTC250-4
350-1/0	350-1/0	600V	5/8	330	2	BTC350-1/0
500-2/0	4/0-4	600V	5/8	330	2	BTC500-4
500-4/0	350-1/0	600V	5/8	330	2	BTC500-1/0
750-3/0	10-144	600V	1/2	80	1	BTC500-14
750-250	500-250	600V	5/8	330	2	BTC750-250

¹ Tap #2 - #10 Cu solid/stranded; #2 - #10 Al stranded



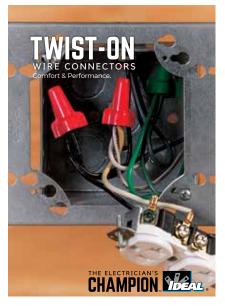


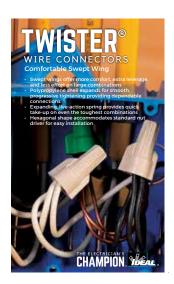
² Tap #10 - #14 Cu solid/stranded; #10 - #14 Al stranded

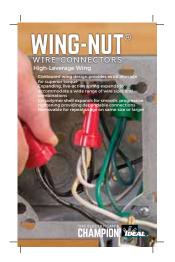
³ Tap #2 - #10 Cu solid/stranded; #2 - #8 Al stranded

⁴Tap #10 - #14 Cu solid/stranded; #10 - #12 Al stranded

WIRE CONNECTOR SAMPLE PACKS



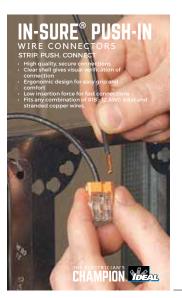




P-5305 P-5306 P-5307







P-5004 P-2880 P-2860

Visit us at idealind.com for more information or email us at contactus@idealindustries.com for a free sample by referencing the P# above.

TOOLS & SUPPLIES

PROFESSIONAL QUALITY, INNOVATIVE SOLUTIONS

When it comes to quality, performance and durability, IDEAL is the professional choice for tools, cutting tools, fish tapes, benders and lubes. The community of professionals know what it takes to succeed in today's electrical world and IDEAL fills those needs with high-quality innovative solutions. The expansion of the IDEAL U.S. manufacturing and engineering supported by strategic international facilities has been providing professional electricians with quality tools since 1916.

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B-76

.B-95 .B-98 .B-98 .B-99

WIRE FISHING		TOOL CARRIERS/POUCHES
Fish Tapes	B-4	Leather
Wire Pulling Lubricants	B-9	Backpack
Pulling Supplies	B-12	Fabric
CONDUIT BENDERS		TOOL KITS
Iron / Aluminum	B-15	CUTTING SUPPLIES
WIRE STRIPPER/CUTTERS		Drill Taps
Wire Strippers	R-17	Hole Cutters
Wire Cutters		Hole Saws
Wife Catters		Flex Bits
PLIERS	B-22	Wood Boring Bits
HAND TOOLS		Step Bits
Knives	B-24	Augers
Saws		Recip Blades
Levels		
Crimp		WIRE MANAGEMENT
		Cable Tie Tools
CABLE CUTTERS		Cable Ties
PowerBlade™ Cable Cutters		Staples
Ratcheting and Long Arm	B-28	Wire Markers
SCREWDRIVERS		Switches
Multi-Bit	B-30	HEAT SHRINK
Twist-a-Nut™ Screwdrivers/Nut Driv	ersB-31	Thermo-Shrink® Heat Shrink
Cushioned-Grip	B-33	Heat Guns
Nutdrivers	B-36	LOCKOUT (TACOUT
INDUSTRIAL BITS	D 70	LOCKOUT/TAGOUT
INDUSTRIAL BITS	B-38	Kits
INSULATED TOOLS		Breaker Lockouts
Kits / Sets	B-42	Padlocks
Nut Drivers	B-44	Tags
Screwdrivers	B-44	Signs
Fuse Pullers	B-46	Tapes



WIRE FISHING

Type



- · Laser etched in 12 in. increments to provide instant conduit length
- Stiffer for long runs
- Highest grade carbon steel
- Tensile strength 1,600 lbs.

S-Class®

- · Non-conductive fiberglass tape for use around live circuits
- · Omni-directional pushing
- · 3 tip choices leader, metal eyelet and non-conductive eyelet
- · Pulling strength 500 lbs.



- · 19 strands of stainless steel
- Ultra hard nvlon jacket adds slipperiness, protects cables and user's hands
- Pulling strength 1,000 lbs.

Stainless Steel

- · Laser etched in 12 in. increments to provide instant conduit length
- · Tensile strength 1,600 lbs.



- Non-conductive tape for use around live circuits
- Pulling strength 350 lbs.



- · Brass-plated coiled steel
- Kink proof
- · Tensile strength 700 lbs.

Cases

Tuff-Grip™ Pro

- Durable case takes up to 20 ft. drop without breaking
- Full-perimeter handle band helps keep dirt and moisture out
- Superior pull-out and rewind characteristics

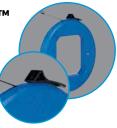


- Inner rotating reel with winding knob for increased labor savings
- Funneled tape opening reduces kinking and tape breakage
- Reversible, hinged knob for right or left handed rewinds



Thumb Winder™

- Convenient 7 in. size for easy tool bag storage
- Durable impact resistant ABS case
- Easy-to-use thumb-operated rewind



! WARNING

Always use approved safety glasses when using this product. Do not use near energized equipment. Electrical shock may occur. Make sure all power is off. Do not use pliers or other tools that may kink, damage, or weaken any round fish tapes such as S-Class®, Nylon or Zoom™. Use only a fish tape puller designed for this purpose. While fish tapes made of fiberglass, nylon or other composite materials are non-conductive, they may have a metal eyelet that is conductive and could be grounded against conduit. Do not use on live electrical circuits. Do not attempt to use fish tape that is fractured or has multiple ends. Keep the fish tape wound in the reel to prevent damage to the tape. Use this product in a safe work position to prevent loss of balance. Never remove the screws from case while fish tape is coiled inside the reel. Failure to follow instructions may result in severe bodily harm or damage to property.

Blued-Steel[™] Fish Tapes

- · Laser etched in 12 in. increments to provide instant conduit length
- High column strength for longer runs
- · Non-oily finish resists rust



Length (ft.)	Width & Thickness	Case Diameter	End Type	Tuff-Grip™ Pro	Thumb-Winder™	Replacement Tapes (No Case)
25	1/8 in. x .045 in.	7 in.	Formed hook	-	31-012	-
50	1/8 in. x .045 in.	7 in.	Formed hook	-	31-010	-
50	1/8 in. x .060 in.	9 in.	Formed hook	31-033	-	31-004
60	1/8 in. x .060 in.	12 in.	Formed hook	31-055	-	31-035
120	1/8 in. x .060 in.	12 in.	Formed hook	31-056	-	31-036
240	1/8 in. x .060 in.	12 in.	Formed hook	31-057	-	31-038
50	1/4 in. x .060 in.	12 in.	Formed hook	31-059	-	31-051
100	1/4 in. x .060 in.	12 in.	Formed hook	31-058	-	31-050
200	1/4 in. x .060 in.	None	Formed hook	-	-	31-052
400	1/4 in. x .060 in.	None	Formed hook	-	-	31-2128
_	1/4 in. x .060 in.	None	Formed hook	-	-	31-2982*

^{*}Bulk roll 750 lbs. (approximately 12,000 ft.)

Stainless Steel Fish Tapes

- Laser etched in 12" increments to provide instant conduit length
- · Tape will not rust or corrode in humid environments
- Stainless steel design provides a smooth pay-out







Length (ft.)	Width & Thickness	Case Diameter	End Type	Tuff-Grip™ Pro	Replacement Tape (No Case)
120	1/8 in. x .060 in.	12 in.	Formed hook	31-066	_
240	1/8 in. x .060 in.	12 in.	Formed hook	31-067	31-074

Volt-Guard Fish Tapes

- Light-duty non-conductive tape for use around live circuits
- Elliptical design gives the Volt-Guard greater pushing power
- · Repair kit available, order #31-541







Length (ft.)	Width & Thickness	Case Diameter	End Type	Tuff-Grip™ Pro	Replacement Tapes (No Case)
60	3/16 in. x .094 in.	12 in.	Non-Conductive Eyelet	31-542	31-552
120	3/16 in. x .094 in.	12 in.	Non-Conductive Eyelet	31-544	31-554

S-Class® Fiberglass Fish Tapes

- Non-conductive tape for use around live circuits
- Structural glass core provides a more durable fiberglass tape
- Fiberglass cone with nylon outer jacket provides durability



Length (ft.)	Diameter	Case Diameter	End Type	Tuff-Grip™ Pro	Rapid-Pak®	Replacement Tapes (No Case)
50	3/16 in.	12 in.	Leader	31-060	31-187	31-150
50	3/16 in.	12 in.	Metal Eyelet	31-062	31-190	31-160
50	3/16 in.	12 in.	Non-Conductive Eyelet	31-086	-	31-200
100	3/16 in.	12 in.	Leader	31-061	31-186	31-152
100	3/16 in.	12 in.	Metal Eyelet	31-063	31-189	31-162
100	3/16 in.	12 in.	Non-Conductive Eyelet	31-087	-	31-201
200	3/16 in.	16 in.*	Leader	31-064	31-207	31-155
200	3/16 in.	16 in.*	Metal Eyelet	31-065	31-208	31-165
200	3/16 in.	16 in.*	Non-Conductive Eyelet	31-088	-	31-202

^{*}Traditional handle

Zoom[™] Fish Tapes

- Great for hard to navigate conduit with multiple bends
- Nylon jacket protects the stainless steel core while adding to the slipperiness of Zoom™





	Length (ft.)	Diameter	Case Diameter	End Type	Tuff-Grip™ Pro	Replacement Tapes (No Case)
	50	3/16 in.	12 in.	Metal Eyelet	31-090	31-091
ſ	100	3/16 in.	12 in.	Metal Eyelet	31-092	31-093
ſ	200	3/16 in.	16 in.*	Metal Eyelet	31-096	_

^{*}Traditional handle

Gold-Fish® Fish Tape

- Ultra-flexible tape for hard-tonavigate areas
- · Brass-plated coils resist rust
- No "memory" hangs straight after being coiled for long periods







Length (ft.)	Diameter	Case Diameter	End Type	Tuff-Grip™ Pro	Replacement Tape (No Case)
50	3/16 in.	12 in.	Metal Eyelet	31-144	31-141

Fish Tape Leaders



- · Guides fish tape around bends in conduit
- · Handles up to six 10 AWG bare wires
- · Pulls up to 500 lbs.

Description	Part No.
Fish Tape Leader for steel or stainless steel tapes	31-148
Fish Tape Leader for S-Class® Fiberglass Fish Tape	31-159

Tuff-Grip™ Pro Accessories



 Replacement includes: Fish Tape Case (2 halves) and Handle (1)

Description	Part No.
Fish Tape Parts Kit	KB-0173
Screws (not included, kit requires 4)	LA-4218

Screws not included, must be ordered separately.

Fish Tape Field Application Repair Kits

- For use on S-Class[®] & Zoom[™] Fish Tapes
- · Crimps on new eyelet or leader in minutes
- · Dies can be used with Crimpmaster™ Crimp Tool
- · Connection guaranteed to withstand 500 lbs.

Fish Tape Swivel Ball



- · Swivels to prevent wires from twisting during pull
- Designed for use on 1/8 in. steel or stainless steel tapes
- · Eyelet holds up to four 10 AWG bare wires

Description	Part No.
Fish Tape Swivel Ball	31-085

Fish Tape Non-Conductive Tip Replacement Kits



- · Easy to apply
- · Each kit includes two eyelets & adhesive

Description	Part No.
Volt-Guard Fish Tape Repair Kit	31-541
S-Class® Fish Tape Repair Kit	31-203



31-156

Description	Part No.
Field Application Kit includes: Crimpmaster™ Crimp Tool frame, die set, S-Class® eyelets (2), S-Class® leaders (2), Zoom™ eyelets (2) & instant adhesive	31-156
Die Set Kit includes: eyelets (2), leaders (2) & instant adhesive (for those who already have a Crimpmaster™ Crimp Tool)	31-164
Replacement eyelets (4) for S-Class® Fish Tapes & adhesive	31-158
Replacement leaders (4) for S-Class® Fish Tapes & adhesive	31-159
Replacement eyelets (2) for Zoom™ Fish Tapes	31-094
Die Set Only (for those who already have a Crimpmaster™ Crimp Tool)	31-166

Tuff-Rod™ Regular Flex Fishing Poles



- · Strong, lightweight, flexible extendable fiberglass rod kits
- · Use to reach and pull wires over suspended ceilings, in cable trays or through interior walls
- · Packaged in clear tubes for protection and long-term storage
- 1/4 in. white fiberglass
- · Extra stiffness for added control when maneuvering wires

Description	Length	Diameter	Sections	Part No.
Fixed bullet nose and threaded J hook	12 ft. total	1/4 in.	3 ea. 4 ft.	31-611
Fixed bullet nose and threaded J hook	24 ft. total	1/4 in.	4 ea. 6 ft.	31-612
Replacement Rods	4 ft. x 12	1/4 in.	12 ea. 4 ft.	31-643
Replacement Rods	6 ft. x 12	1/4 in.	12 ea. 6 ft.	31-644

Tuff-Rod™ Extra Flex Glow Fishing Poles

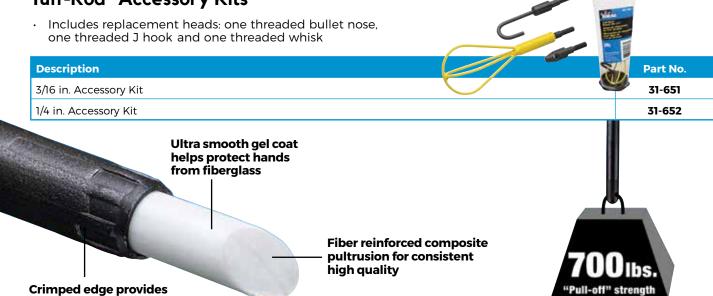
- · Strong, lightweight, flexible extendable fiberglass rod kits
- Use to reach and pull wires over suspended ceilings, in cable trays or through interior walls



- · Packaged in clear tubes for protection and long-term storage
- · 3/16 in. pale green luminescent fiberglass
- · Glow-in-the-dark material for easy use in attics, basements and other dimly lit areas

Description	Length	Diameter	Sections	Part No.
Fixed bullet nose and threaded J hook	12 ft. total	3/16 in.	3 ea. 4 ft.	31-631
Fixed bullet nose and threaded J hook	30 ft. total	3/16 in.	5 ea. 6 ft.	31-633
Replacement Rods	4 ft. x 12	3/16 in.	12 ea. 4 ft.	31-647
Replacement Rods	6 ft. x 12	3/16 in.	12 ea. 6 ft.	31-648

Tuff-Rod™ Accessory Kits



exceptional "pull-off" strength for a durable, long-lasting fishing pole

WIRE LUBRICANTS & ACCESSORIES

Application Selection

	Commercial	Utility
Temperature Range	40°F - 120°F 4°C - 49°C	40°F - 120°F (4°C - 49°C) (indoors/outdoors) -28°F - 40°F (-33°C - 4°C) (outdoors)
Length of Run	Up to 75 ft. (finished construction) Up to 1,200 ft. (new construction)	Up to 250 ft.
Installation Time	8 hrs.	24 hrs.
Best Choice	ClearGlide® (finished construction) Yellow 77® and Yellow 77® Plus (new construction)	Aqua-Gel® II & Velocity™ (indoors, outdoors) Aqua-Gel® CW & IIP (outdoors)

Product Selection

	ClearGlide® Wire Pulling Lubricant	Yellow 77° Wire Pulling Lubricant	Yellow 77° Plus Wire Pulling Lubricant	Aqua-Gel® II Wire Pulling Lubricant	Aqua-Gel® IIP Wire Pulling Lubricant	Aqua-Gel [®] CW Wire Pulling Lubricant	Velocity™ Wire Pulling Lubricant
Color	Clear	Yellow	Yellow	Blue	Blue	Pink	Cream
Base	Polymer	Wax	Wax	Polymer	Polymer	Polymer	Polymer
Average Coefficient of Friction*	.23	.17	.16	.19	.19	.19	.16
Stability Range	32°F - 180°F (0°C - 82°C)	32°F - 130°F (0°C - 54°C)	32°F - 190°F (0°C - 88°C)	32°F – 180°F (0°C – 82°C)	32°F - 180°F (0°C - 82°C)	-28°F – 190°F (-33°C – 82°C)	40°F – 140°F (4°C – 82°C)
Application Temperature Range	40°F - 100°F (4°C - 38°C)	40°F - 100°F (4°C - 38°C)	40°F – 100°F (4°C – 38°C)	40°F - 100°F (4°C - 38°C)	40°F - 100°F (4°C - 38°C)	-28°F - 40°F (-33°C - 4°C)	25°F – 140°F (-3.9°C – 60°C)
Compatibility (Cable Ty	pes):						
Rubber	•	•	•	•	•	•	•
Neoprene	•	•	•	•	•	•	•
Nylon	•	•	•	•	•	•	•
PVC	•	•	•	•	•	•	•
High-density or cross- linked polyethylene	•	•	•	•	•	•	•
Low-density polyethylene	•		•	•	•	•	•
Semiconducting jacket	•		•	•	•	•	•
Hypalon	•	•	•	•	•	•	•

^{*}Results from NEETRAC, an independent testing laboratory affiliated with The Georgia Institute of Technology.

Recommended Qty. of Lubricant Formula

 $Q = .0015 \times L \times D$

Q = Quantity of recommended lube in gallons

L = Length of pull in feet

D = Nominal ID of conduit in inches

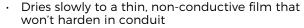


This formula is used as a guideline on estimating the quantity of lube needed for various jobs. Many factors go into a cable pull, however, this formula is just based on length of the pull and diameter of the conduit. Increase quantities for the following troubles:

- · Stiff, heavy cable
- · Rough, old or dirty conduits
- · Pulls with several bends
- · High temperatures
- · High percent conduit · Not food grade

Yellow 77® Plus Wire Pulling Lubricant

- Rapid Clide™ t additive provides greater lubricity than other wax-based lubricants great for tough pulls
- Safe to use with all cable types
- Clings to cable throughout long runs, even where moisture is present
- Remains stable in high temperatures – usable from 32°F to 190°F (-1°C to 88°C)



- Creamy texture applies easily and uniformly by hand or brush
- · Homogeneous blend requires no mixing
- Won't dry out surface coat forms to control evaporation
- Environmentally safe non-toxic, non-flammable and non-corrosive

Description	Part No.
1-qt. Squeeze Bottle	31-398
1-gal. Bucket	31-391
5-gal. Bucket	31-395



Yellow 77® Wire Pulling Lubricant

- The #1 brand of wire pulling lubricant since 1959 – the perfect general purpose lube
- Wax-based formula provides superior lubricity
- Safe to use with most cable types except low-density polyethylene and semi-conducting jackets



- Clings to cable throughout long pulls, even where moisture is present
- Won't break down or separate after repeated exposure to freezing temperatures
- · Dries to a thin, non-conductive film
- Creamy texture applies easily and uniformly by hand or brush
- · Homogeneous blend requires no mixing
- Won't dry out surface coat forms to control evaporation
- Environmentally safe non-toxic, non-flammable and non-corrosive

Description	Part No.
1-qt. Squeeze Bottle	31-358
1-gal. Bucket	31-351
5-gal. Bucket	31-355
55-gal. Drum	31-365

ClearGli



ClearGlide® Wire Pulling Lubricant

- · Clear and colorless for quick and easy clean-up great for indoor and retrofit pulls
- · Exceptional lubricity for super-fast pulls
- · Polymer-based formula is perfect for all electrical and datacomm applications
- · Safe to use with all cable types
- · Controlled evaporation rate is ideal for shorter runs
- Remains stable over wide temperature ranges usable from 32°F to 180°F (0°C to 82°C)
- · Dries to a semi-fluid film that won't clog conduit
- Easy to apply by hand, brush or pump
- · Environmentally safe non-toxic, non-flammable and non-corrosive

Description	Part No.
1-qt. Squeeze Bottle	31-388
1-gal. Bucket	31-381
5-gal. Bucket	31-385
55-gal. Drum	31-2143



Aqua-Gel® II Cable Pulling Lubricant



- Polymer-based formula provides maximum tension reduction in high-stress electrical and communication cable-pulling operations
- · Compatible with most cable types except composite rubber
- · Cleans up easily with soap and water
- · Clings to cable throughout long pulls
- Remains stable over wide temperature range usable from 28°F to 180°F (-2°C to 88°C)
- · Dries to a semi-fluid film that won't clog conduit
- · Easy to apply by hand, brush or pump
- · Environmentally safe non-toxic, non-flammable and non-corrosive
- · For outdoor use only

Description	Part No.
1-qt. Squeeze Bottle	31-378
1-gal. Bucket	31-371
5-gal. Bucket	31-375
55-gal. Drum	31-3855



Aqua-Gel® IIP Cable Pulling Lubricant

- Features the same excellent qualities as Aqua-Gel® II Cable Pulling Lubricant with a lower viscosity for easy pouring and pumping
- Pourable formula clings to cable – eliminates hand application for a clean and safe job



- Compatible with most cable types, except composite rubber
- · Cleans up easily with soap and water
- Environmentally safe non-toxic, non-flammable and non-corrosive

Description	Part No.	
1-gal. Jug	31-421	
5-gal. Bucket	31-425	
55-gal. Drum	31-435	



Aqua-Gel® CW Cable Pulling Lubricant

- Features the same excellent qualities as Aqua-Gel® II Cable Pulling Lubricant with a lower temperature range for use outdoors in cold weather
- Polymer-based, coldweather formula remains stable in storage from -28°F to 190°F (-33°C to 82°C)
- Formulated for exterior use in cold weather conditions
- Cleans up easily with soap and water
- · Clings to cable throughout long pulls
- · Well-suited for hand or poured applications
- Environmentally safe non-toxic, non-flammable and non-corrosive
- · Not recommended for indoor use

Description	Part No.
1-qt. Squeeze Bottle	31-298
1-gal. Jug	31-291
5-gal. Bucket	31-295



Velocity™ Wire Pulling Lubricant

- · High cling factor
- Maximum friction reduction
- · Specification grade
- Compatible with all popular cable types
- · Temperature stable
- Non-combustible residue
- Environmentally safe non-toxic, non-flammable and non-corrosive





Description	Part No.
1-qt. Squeeze Bottle	31-276
1-gal. Bucket	31-277
5-gal. Bucket	31-278

Duct Seal

- Seals around junction boxes, flashings and service entrances
- Permanently soft, non-toxic compound can be painted immediately after application
- Won't adversely affect other plastic materials or corrode metals





Description	Quantity	Part No.
1 lb. Block	Carton of 10	31-601
5 lb. Block	Carton of 10	31-605

For a Safety Data Sheet on lubricants and other products visit us at idealind.com.



Noalox® Anti-Oxidant

- Anti-oxidant compound improves efficiency and service life of aluminum electrical applications
- Suspended zinc particles penetrate and cut aluminum oxide
- Provides additional innerstrand and innerconductor current paths for improved conductivity and cooler connections



- Carrier material excludes air to minimize further oxidation
- For use with pressure-type wire connectors including lugs, taps, service entrances and split-bolts
- Reduces galling and seizing when applied on aluminum conduit joints promoting good ground continuity



Description	Part No.
1/2-oz. Tube	30-024
4-oz. Squeeze Bottle	30-026
8-oz. Squeeze Bottle	30-030
8-oz. Brush Cap	30-031
1-gal. Bucket	30-032
5-gal. Bucket	30-040
55-gal. Drum	30-1216

Compatible with aluminum to aluminum and aluminum to copper connections.



Valu-Line[™] Pull Line

- White with gray tracer for easy identification
- Continuous-fiber polyline great for blowing directly into conduit
- · Will not rot or mildew
- Can be left in conduit for future use



Description	Tensile Strength	Length	Part No.
Valu-Line™ Pull-Line	190 lbs.	6,500 ft./ Bucket	31-338

Powr-Fish® Pull Line

 White with blue tracer for easy identification

 Continuous-fiber polyline great for blowing directly into conduit

- Will not rot or mildew
- Can be left in conduit for future use



Description	Tensile Strength	Length	Part No.
Powr-Fish® Pull-Line	210 lbs.	6,500 ft./ Bucket	31-340
Powr-Fish® Pull-Line	210 lbs.	500 ft./ Canister	31-348

Powr-Fish® Pull Line

- White with red tracer for easy identification
- 500 lb. tensile, our highest tensile-rated pull-line
- Continuous-fiber polyline great for blowing directly into conduit
- Will not rot or mildew
- · Can be left in conduit for future use



Desci	ription	Tensile Strength	Length	Part No.
Powr Pull-L		500 lbs.	2,200 ft./ Bucket	31-344

Conduit Measuring Tape

- Provides quick and accurate measurement of conduit runs
- Easy-to-read markings in sequential one-foot increments
- · 160 lb. tensile strength
- Pulls rope through raceways without stretching
- · Will not rot or mildew

Description	Tape Width	Length	Part No.
Conduit Measuring Tape	3/16 in.	3,000 ft.	31-347

3-in-1 Premise MULETAPE®

- Reduces installation time and saves money on premise jobs
- Blow, measure and pull with single product
- Imprinted with sequential footage markings
- Fewer installation steps, significant material and labor savings





Description	Pulling Strength	Tape Width	Length/ Bucket	Part No.
3-in-1 Premise	400 lb.	1/4 in.	4,500 ft.	31-314
MULETAPE®	1,800 lb.	1/2 in.	1,300 ft.	31-315

MULETAPE® is a registered trademark of NEPTCO, INC.



Foam Carriers

- Attach to a suitable line to serve as a piston - clears out water or debris as they travel through conduit
- Durable foam construction for repeated use and long life
- For use with any type of blower or vacuum system

Description	Quantity	Part No.
1/2 in. Foam Carrier	1/bag	31-316
3/4 in. Foam Carrier	1/bag	31-317
1 in. Foam Carrier	1/bag	31-318
1-1/4 in. Foam Carrier	1/bag	31-319
1-1/2 in. Foam Carrier	1/bag	31-320
2 in. Foam Carrier	1	31-321
2 in. Foam Carrier	1/bag	31-471
2-1/2 in. Foam Carrier	1/bag	31-322
3 in. Foam Carrier	1/bag	31-323
3-1/2 in. Foam Carrier	1/bag	31-324
4 in. Foam Carrier	1/bag	31-325
5 in. Foam Carrier	1/bag	31-326
6 in. Foam Carrier	1/bag	31-327

Foam Carriers - Multi-Packs

Description	Quantity	Part No.
1/2 in. Foam Carrier	5/bag	31-466
3/4 in. Foam Carrier	5/bag	31-467
1 in. Foam Carrier	5/bag	31-468
1-1/4 in. Foam Carrier	3/bag	31-469
1-1/2 in. Foam Carrier	2/bag	31-470

Pro-Pull[™] Rope

- Low-friction polypropylene rope slides easily through conduit
- · Both rope ends looped
- Non-sliver surface can be handled without gloves
- · Will not rot or mildew
- · Rugged, lightweight construction

Description	Tensile Strength	Length	Part No.
1/4 in.	1,125 lbs.	250 ft./Reel	31-839
1/4 in.	1,125 lbs.	600 ft./Reel	31-840
1/4 in.	1,125 lbs.	1,000 ft./Reel	31-841
3/8 in.†	2,430 lbs.	250 ft./Reel	31-844
3/8 in.†	2,430 lbs.	600 ft./Reel	31-845
3/8 in.†	2,430 lbs.	1,200 ft./Reel	31-846
1/2 in.†	3,780 lbs.	250 ft./Reel	31-849
1/2 in.†	3,780 lbs.	600 ft./Reel	31-850
1/2 in.†	3,780 lbs.	1,200 ft./Reel	31-851
5/8 in.†	5,580 lbs.	600 ft./Reel	31-853
5/8 in.†	5,580 lbs.	1,200 ft./Reel	31-854
3/4 in.†	7,650 lbs.	300 ft./Reel	31-855
3/4 in.†	7,650 lbs.	600 ft./Reel	31-856
3/4 in.†	7,650 lbs.	1,200 ft./Reel	31-857

 $^{^{\}scriptsize \dagger}$ Eye splice on working end. Tensile strength based on new rope.

Line Packages

- One-piece pull line and foam tip unwind as they move through conduit
- One-piece construction for fast, easy use with no knots or foam carriers to retrieve
- · Line tensile strength of 17 lbs.
- For use with any type of blower or vacuum system

Description	Color	Quantity	Part No.
Line Package, 1/2 in. x 75 ft.	Red	10/bag	31-472
Line Package, 1/2 in. x 75 ft.	Red	50/pack	31-328
Line Package, 1/2 in. x 150 ft.	Red	10/bag	31-473
Line Package, 3/4 in. x 200 ft.	Yellow	5/bag	31-475
Line Package, 3/4 in. x 300 ft.	Yellow	5/bag	31-476
Line Package, 3/4 in. x 450 ft.	Yellow	5/bag	31-477
Line Package, 1 in. x 75 ft.	White	50/pack	31-334
Line Package, 1 in. x 200 ft.	White	5/bag	31-479
Line Package, 1 in. x 300 ft.	White	5/bag	31-480
Line Package, 1 in. x 450 ft.	White	5/bag	31-481



CONDUIT BENDERS

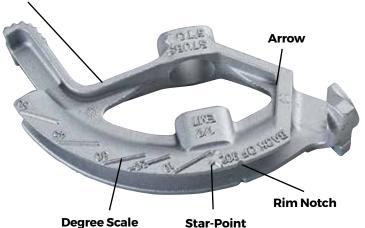
Bender Heads

- · Available in ductile iron and aluminum heads
- · Exceptional, durable, materials for extra strength
- · Reinforced at stress points to provide longer life
- Markings are raised and cast into the bender body on both sides for easy visibility
- Deeply serrated step helps prevent slippage when applying force
- Grooved internal hook surface helps prevent conduit from slipping
- · Flat hook surface provides stable starting point
- · Desirable bending system

Handles

- · Rugged, steel construction for long-term durability
- Baked-on blue enamel finish resists corrosion and enhances visibility
- · Convenient bending guide for offset bends

High-strength ductile iron or light aluminum





*According to Electrical Distribution Vista data (Q4, 2017).



Ductile Iron Benders



- Withstands a lifetime of heavy use
- Strong iron material

Conduit Type and Size	Part No. (head only)	Part No. (handle only)	Part No. (head and handle)
1/2 in. EMT	74-001	74-019	74-026
3/4 in. EMT, 1/2 in. Rigid & 1/2 in. IMC	74-002	74-019	74-027
1 in. EMT, 3/4 in. Rigid & 3/4 in. IMC	74-003	74-020	74-028
1-1/4 in. EMT, 1 in. Rigid & 1 in. IMC	74-006	74-021	74-034

Aluminum Benders



- Lightweight aluminum for easy handling
- Strong enough for every day use

Conduit Type and Size	Part No. (head only)	Part No. (handle only)	Part No. (head and handle)
1/2 in. EMT	74-031	74-019	74-046
3/4 in. EMT, 1/2 in. Rigid & 1/2 in. IMC	74-032	74-019	74-047





3/4" EMT 1/2" Rigid 1/2" IMC





Bender/BenderBoot™ Combos

- Grooved patented foot provides stability and leverage while bending on smooth surfaces
- Textured tread and hand grip provide support for saddle and offset bends
- Easy to push-on and remove

Description	Part No.
1/2 in. EMT Ductile Iron Bender (74-026) w/BenderBoot™	74-126
3/4 in. EMT, 1/2 in. Rigid & 1/2 in. IMC Iron Bender (74-027) w/BenderBoot™	74-127

BenderBoot™

- Grooved patented foot provides stability and leverage
- Textured tread and hand grip provides support for saddle and offset bends
- Easy push-on assembly to 1/2 in. and 3/4 in. bender handles



Description	Part No.
BenderBoot™	74-037

Pocket Bender Guide

- Convenient pocket-sized reference guide
- Includes simple, concise bending techniques for precision stubs. back-to-back, offset and saddle bends



FREE

Description	Part No.
Pocket Bender Guide	P-100

Guide can be downloaded from our website at idealind.com.

Bender Bottle Opener

- · Made in U.S.A.
- Pry off or twist off caps





Description	Part No.
Bender Bottle Opener	74-100

WIRE STRIPPERS

Invented and manufactured at our Sycamore, Illinois facility, the T®-Stripper Wire Stripper line is the leading brand name in the world.



Kinetic® Reflex™ T®-Stripper Wire Stripper

- Thumb Valley™ Protection
- · Pocket Locking Hasp
- · Shear Cut Bolt Cutters
- · Textured Thermoplastic Grips
- · Ergonomic Textured Handles



T[®]-Stripper Wire Stripper

- · Compact, lightweight
- Precision-ground, knife-type blades

Reflex™ Premium T®-Stripper

Thumb Valley™ Protection

· Textured Thermoplastic Grips

· Ergonomic Textured Handles

Wire Stripper

- Built-in looping holes, wire cutters and plier nose
- · Straight Handles



Kinetic® Super Wire Stripper

- · Thumb Valley™ Protection
- Pocket Locket Locking Hasp
- · Shear Cut Bolt Cutters
- Textured Thermoplastic Grips
- · Ergonomic Curved Handles



Reflex™ Super T®-Stripper Wire Stripper

- · Locking Pawl
- · Bolt Cutting
- Extended Textured Comfort
- Ergonomic Handles







T®-Stripper Wire Stripper Selection Guide

6	8	10	12	14	16	18	20	22	24	26	28	30	Hole						
8	10	12	14	16	18	20	22	24	26	28	30	32	e Size		45-100's	45-400's	45-600's	45-700's	45-900's
								22	24	26	28	30	Solid	IN THE REAL PROPERTY.					
								24	26	28	30	32	Str.	II 3 S WILLIAM	45-125	45-417	_	_	_
				14	16	18	20	22	24				Solid	15 Bresney					
				16	18	20	22	24	26				Str.	H & Breakly	45-121	45-416	_	45-716	_
		10	12	14	16	18							Solid	A CHARLES					
		12	14	16	18	20							Str.	In This	45-120	45-415	_	45-715	45-915
	8	10	12	14	16								Solid	# # # - = c = =					
	10	12	14	16	18								Str.	1 1	_	_	45-615	_	_
6	8	10	12	14									Solid	A Principal					
8	10	12	14	16									Str.	no const	45-124	45-418	45-618	45-718	45-918
													T®-C	1/ 2					
													T®-Cutter		45-123	_	_	_	_

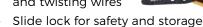
T®-Stripper Wire Strippers

- Form-ground, knife-type blades for accurate, easy stripping without nicking conductor
- Laser-etched wire gauge for easy-to-read visibility
- · Spring-loaded automatic opening
- · Corrosion-resistant, black oxide finish
- · Tough steel construction

Description	Solid	Stranded	Part No.
T®-5 T®-Stripper Wire Stripper	10 10 10 10	12 20 414/6	45-119*
T°-5 T°-Stripper Wire Stripper	10-18 AWG	12-20 AWG	45-120
T®-6 T®-Stripper Wire Stripper	14-24 AWG	16-26 AWG	45-121
T®-7 T®-Stripper Wire Stripper	22-30 AWG	24-32 AWG	45-125
T®-8 T®-Stripper Wire Stripper	6-14 AWG	8-16 AWG	45-124
T®-Stripper Wire Stripper – Metric	0,75-6	45-120-341	
T®-Stripper Wire Stripper – Metric	0,5-4	45-125-341	

Kinetic® Super Wire Strippers

- Non-slip textured grips and thumb rest
- Plier nose for holding and twisting wires



 Thumb and finger valley makes stripping easy and accurate

Description	Solid	Stranded	Part No.
Kinetic®	10-18 AWG	12-20 AWG	45-715
Super Wire	14-24 AWG	16-26 AWG	45-716
Stripper	6-14 AWG	8-16 AWG	45-718

Kinetic® Reflex[™] T®-Stripper Wire Strippers

- Non-slip textured grips and thumb rest
- Plier nose for holding and twisting wires
- · Slide lock for safety and storage
- Thumb and finger valley makes stripping easy and accurate

Description	Solid	Stranded	Part No.
Kinetic® Reflex™	10-18 AWG	12-20 AWG	45-915
T®-Stripper Wire Stripper	6-14 AWG	8-16 AWG	45-918

Reflex[™] Super T[®]-Stripper Wire Strippers

NATES CANADA

45-615

45-415

6/32 and 8/32 selfchasing screw-cutting holes

45-120

45-715

45-915

- Ergonomic design for maximum comfort
- · Curved handles help reduce wrist fatigue
- Textured sleeves with extra cushioning for added comfort

Description	Solid	Stranded	Part No.
Reflex™ Super	8-16 AWG	10-18 AWG	45-615
T®-Stripper Wire	0.1/ 4)4/6	0.16.404/6	45-618
Stripper	8-14 AWG	8-16 AWG	45-619*
Reflex™ Super 12/2 & 14/2 NM Cable T°-Stripper Wire Stripper	12-2 and 14-2 AWG	_	45-621

Reflex[™] Premium T®-Stripper Wire Strippers

- Ergonomic design for maximum comfort
- Curved handles help reduce wrist fatigue
- Textured sleeves with extra cushioning for added comfort

Description	Solid	Stranded	Part No.
	10-18 AWG	12-20 AWG	45-415
Reflex™ Premium	14-24 AWG	16-26 AWG	45-416
T®-Stripper Wire Stripper	22-30 AWG	24-32 AWG	45-417
	6-14 AWG	8-16 AWG	45-418
Reflex™ Premium T®-Stripper – Metric	0,5mm²-4	45-425-341	

1000V Insulated T®-5 Wire Stripper

- UL Classified
- High visibility, double insulated handles provide safety, comfort and control



Description	Part No.
1000V Insulated Wire Stripper	45-9120

NM Cable Dual-Hole T[®]-Stripper Wire Strippers

Stripping holes for stripping two 12 AWG or two 14 AWG wires simultaneously



Description	Solid	Part No.
Premium T®-14 T®-Stripper Wire Stripper		45-247
14/2 NM Cable T®-Stripper Wire Stripper	12 or 14 AWG	45-248
12/2 NM Cable T°-Stripper Wire Stripper		45-249

Lil' Ripper Stripper™

· Rips outer jacket of NM cable cleanly and quickly



- Clips outer sheathing to remove excess wire
- · V-Notch strips inner wires
- Looping holes loop wire for screw-on connections

Description	Part No.
Lil' Ripper Stripper™	45-025

Cable Ripper

- Slits NM cable wire sheathing before stripping wires
- Quick, clean and easy end or mid-run removal of jacket
- Convenient built-in wire gauge

Description	Part No.
Side Entry Cable Ripper	45-118SRS

V-Notch Stripper

- Cuts copper or aluminum wire, solid or stranded
- Rotating cam wheel adjusts to strip 10-24 AWG wire
- Looping holes for solid wire

Description	Part No.
V-Notch Stripper	45-101



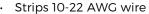
- Convenient, multi-function tool features precisionground stripping holes and knife-to-anvil cutting blades
- Crimps bare and insulated terminals
- Cuts unhardened bolts (4-40, 6-32, 8-32, 10-24 and 10-32) and reforms threads

Description	Solid	Stranded	Part No.
Combo Tool	8-20 AWG	10-22 AWG	30-428

Multi-Crimp Strip Tool

- Cuts wire
- Crimps insulated and non-insulated wires



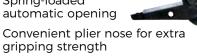




Description	Part No.
Multi-Crimp Strip Tool	45-778

T®-Cutter Wire Cutter

- Hardened steel, sheer-type blades
- Spring-loaded automatic opening



- Corrosion-resistant, black oxide finish
- Tough steel construction

Description	Part No.
T®-Cutter Wire Cutter	45-123

Data T®-Cutter Wire Cutter

- Cuts round communication cable and maintains cable geometry for better cable performance
- Cuts multi-pair cable up to .500 in. (12.7mm) and coaxial cable up to RG-9/U
- · Suitable for soft cables (not ACSR)
- Steel reinforced center conductors can be trimmed with bolt cutting holes
- · Cushioned comfort grip handles
- · Locking latch keeps tool closed in pouch

Description	Part No.
Data T®-Cutter	45-074

Underground Feeder (UF) Cable Stripper

- Self-adjusting stripping blades automatically select proper position
- Strips 12/2 AWG solid to 14/2 AWG Underground Feeder (UF) Cable
- Strips Twin and Earth cable
- Open-throat construction allows unlimited strip length
- Neatly removes outer cable sheath and inner wire sheathing to desired lengths
- Lightweight, ergonomic design helps reduce user fatique

Description	Part No.
Underground Feeder Cable Stripper	45-235

Coax Strip and Crimp Tool

- Precision, formground stripping holes remove outer jacket and insulation from
 - outer jacket and insulation from RG-59 and RG-6 coaxial cable
- Durable blades cut copper-coated steel conductors
- Three crimping nests for crimping F-connectors and ring terminals

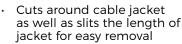
Description	Part No.
Coax Strip & Crimp Tool	30-433

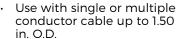


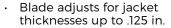
- Versatile, seven-function tool features precisionground stripping blades, cushioned grips and plier nose
- Crimps bare and insulated terminals for 10-22 AWG wire, RG-59 coax connectors and 7 to 8mm auto ignition connectors
- Cuts unhardened wire, bolts and screws (4-40, 6-32, 8-32, 10-24 and 10-32) and reforms threads
- Cuts stranded, solid, NM wire and U.F. wire to 8 AWG

Description	Solid	Stranded	Part No.
7-in-1 Stripper	8 - 16 AWG	10 - 18 AWG	45-777

Round Cable Slitting and Ringing Tools







· Spare blade in handle base



Description	Replacement Blades	Part No.
Cable Stripper for 1/4 in. to 3/4 in. O.D.	. =/	45-128
Cable Stripper for 3/4 in. to 1-1/2 in. O.D.	L-7486*	45-129

*Two Blades/package



OUR COMMITMENT WITH OUR MADE IN THE USA COLLECTION

For more than 100 years, IDEAL® Electrical has had a proud history of producing the highest quality tools by marrying innovation with tradition. It's that American ingenuity that runs through everything we do, especially our commitment to producing tools here, a hallmark of our "Made in the USA" collection.

It's not just about making high quality tools, it's about making them the right way; with American steel and American labor, right here in the USA. Look for our Made in the USA badge for tools that are American through and through.

UNMATCHED QUALITY

These products, proudly produced in the USA, have been supplied to the government and armed forces for decades where they are routinely used in some of the harshest environmental conditions. We believe that when Americans need tools they can rely on, those tools should be American-made.

BUILDING OUR COMMUNITIES

Not only do we build the tools that build our world, but we are unceasing in our support for community on a local level; union and non-union from trade schools to professional organizations. We support this industry and are committed to keeping and creating more American jobs because of it.

PLIERS

- Custom alloyed, premium quality tool steel provides excellent cutting performance and commercial use durability
- Precision ground knife-to-knife cutting blades for accurate, quick wire cutting
- Hardened and tempered body and cutting edges for optimum performance
- High leverage pivot design provides great cutting and gripping power

Grips







Heavy-Duty Dipped Grip

Smart-Grip™ Dual Durometer Molded Grip

1000V Grip



Color-coding and FastFinder™ letter markers on SmartGrip™ handles provide quick tool identification, even by touch!



















Linesman Pliers

- Knife-to-knife blades provide excellent cutting performance
- · Cuts hardened wire, bolts and stainless steel wire



Description (Smart-Grip™ Handles)	Part No.
9-1/2 in. Linesman Pliers w/New England nose and crimping die	30-3430
Description (Dipped-Grip Handles)	Part No.
9-1/2 in. Linesman Pliers w/New England nose, crimping die and fish tape puller	30-430

Long-Nose Pliers

- Narrow profile head designed for working in tight areas
- · Serrated jaws provide secure gripping surface
- Drop-forged, high-carbon steel construction
- · Blades provide excellent cutting performance
- Laser-hardened blades cut hardened wire, bolts and stainless steel wire



Description (Smart-Grip™ Handles)	Part No.
8-1/2 in. Long-Nose Pliers w/Cutter	35-3038
Description (Dipped-Grip Handles)	Part No.
6 in. Long-Nose Pliers w/Cutter	35-036
8-1/2 in. Long-Nose Pliers w/Cutter	35-038

Diagonal-Cutting Pliers

- Knife-to-knife blades provide excellent cutting performance
- High-leverage design provides more cutting power
- Models 35-029 and 35-3029 feature a convenient angled head for hard-to-reach areas and rocking out nails



Description (Smart-Grip™ Handles)	Part No.
8 in. Diagonal-Cutting Pliers	35-3028
8 in. Diagonal-Cutting Pliers w/angled head	35-3029
Description (Dipped-Grip Handles)	Part No.
8 in. Diagonal-Cutting Pliers	35-028
8 in. Diagonal-Cutting Pliers w/angled head	35-029

Tongue & Groove Pliers



Description (Smart-Grip™ Handles)	Jaw Opening	Part No.
9-1/2 in. Tongue & Groove Pliers	2 in.	35-3420
Description (Dipped-Grip Handles)	Jaw Opening	Part No.
9-1/2 in. Tongue & Groove Pliers	2 in.	35-420
7 in. Tongue & Groove Pliers	1 in.	35-426
10-1/2 in. Tongue & Groove Pliers w/V-Jaw	2 in.	35-430
12 in. Tongue & Groove Pliers	2-1/4 in.	35-440

Cable Cutters

- · Drop-forged, high-carbon steel construction
- Precision-ground, hardened cutting edges provide accurate cuts without cable distortion
- Cuts 2/0 copper and 4/0 aluminum (not for use on ACSR)



Description (Smart-Grip™ Handles)	Part No.
9-1/2 in. Cable Cutter	35-3052
Description (Dipped-Grip Handles)	Part No.
9-1/2 in. Cable Cutter	35-052

Multi-Crimp Tools

- Crimps bare or insulated terminals and splices on 10-22 AWG wire
- Knife-to-anvil blades provide long-lasting cutting performance
- · High leverage for easy crimping and cutting
- · Drop-forged, high-carbon steel construction



Description (Smart-Grip™ Handles)	Part No.
9-3/4 in. Multi-Crimp Tool	30-3429
Description (Dipped-Grip Handles)	Part No.
9-3/4 in. Multi-Crimp Tool	30-429

Slip-Joint Pliers

- Two position slip joints fit large and small jobs
- Dipped comfort-grip handles for a secure grip
- Flush rivet



Description	Part No.
6 in. Slip Joint Pliers	35-100
8 in. Slip Joint Pliers	35-102



ELECTRICAL HAND TOOLS

IDEAL® Electrical offers a complete range of specialized hand tools to support the dynamic needs of the professional electrician. With innovative, quality tools for professional performance, backed by one superior brand, IDEAL continues to deliver premium tools in all categories. From screwdrivers, pliers, wrenches, levels to our iconic wire strippers, cutters, saws, and more you can count on IDEAL for all of your professional hand tool needs.



Hex-Key Sets

- · High-quality steel construction
- Dual-durometer, slip-resistant grip



Description	Part No.
4 in. handle w/nine 3-in. keys (5/64 in., 3/32 in., 7/64 in., 1/8 in., 9/64 in., 5/32 in., 3/6 in., 7/32 in. & 1/4 in.)	35-146
5-1/4 in. handle w/five 5-in. keys (3/16 in., 7/32 in., 1/4 in., 5/16 in. & 3/8 in.)	35-147

Utility Knife

- Quick-change retractable blade system – no disassembly required
- Built in pull-line cutter
- Includes three blades in storage compartment



Description	Replacement Blades	Part No.
Utility Knife	35-301*	35-300

^{*}Five universal blades per package.

Folding Saw

- · Light-weight, heavy-duty die cast construction
- Ergonomic rubber comfort grip
- Blade safely and conveniently folds down in handle
- Accepts most standard 6 in. recip blades

Description	Part No.
Folding Saw	35-274

Jab Saw

- · Ergonomic, textured non-slip grip w/plunge-tip design
- Wallboard blade
- Weighted head provides superior balance



W. Committee work was a server

Heavy-Duty Hacksaw

- Cushioned ergonomic grip for performance and comfort
- Rugged frame provides lightweight rigidity and exceptional control

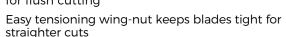


- Includes 12 in. x 24T bi-metal blade, stores up to nine extra blades
- Blades can be adjusted to 55° angle for flush cutting and tensioned to 30,000 psi

Description	Part No.
Heavy-Duty Hacksaw	35-260

Ergonomic Hacksaw

- Angled handle for easier cuttina
- Blade can easily be adjusted for flush cutting



Cushioned ergonomic grip for performance and comfort

Description	Part No.
Ergonomic Hacksaw with 12 in. x 24T bi-metal blade	35-261

Hacksaw Blades

Bi-metal blades provide strength, flexibility and long life



Description	Quantity	Part No.
12 in. x 18T Blades	10	35-271
12 in. x 24T Blades	10	35-272
12 in. x 32T Blades	10	35-273
12 in. x 18T Blades	100	35-262
12 in. x 32T Blades	100	35-264

Pocket Knives

- 2-1/4 in. blade locks in position
- High-carbon stainless steel blade construction for extra strength and durability
- Durable non-slip handle

Brass liners



Description	Blade Type	Part No.
Electrician's Knife	Spear point and Screwdriver	35-285
Hawkbill Knife	Curved	35-286
Linesman Jack Knife	Sheepfoot	35-287

Adjustable Wrenches

Forged steel construction with narrow profile head reaches into tight spaces

Tight tolerance on thumbscrew will not loosen or wobble with use



Extra wide jaw capacity with standard and metric markings

Description	Jaw Capacity	Part No.
6 in. Adjustable Wrench	7/8 in.	35-019
8 in. Adjustable Wrench	1-1/8 in.	35-020
10 in. Adjustable Wrench	1-5/16 in.	35-021
12 in. Adjustable Wrench	1-1/2 in.	35-022

Chisel

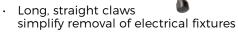
- Hardened and tempered for long life



Description	Part No.
Wood Chisel	35-189

Drop-Forged Hammer

One-piece drop-forged, tempered-steel polished head and handle



Comfortable, perforated anti-vibe grips

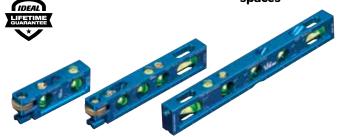


Precision Levels

- Integrated Thumb Winder™ conduit wheel and contoured screw prevents doglegs
- Rare earth magnets provide maximum holding strength
- V-groove bottom surface for stable mounting to conduit



3.5 in. Precision Level is handy for tight spaces



Description	Part No.
3.5 in. Precision Level	35-206
6 in. Precision Level	35-207
8 in. Precision Level	35-208

Torpedo Level

9 in. aluminum frame with magnetic and V-grooved edges



- Windows provide easy reading of plumb level and 45° angle
- Three rare earth magnets for strong cling to conduit

Description	Part No.
9 in. Torpedo Level	35-205

Measuring Tapes



- Measurement marks on both sides of tape
- Blade automatically stays out when extended
- Push button for smooth blade retraction
- Comfortable, shock-resistant rubber grip

Description	Tape Width	Part No.
Auto-Lock Tape Measure - 25 ft.		35-242
Auto-Lock Tape Measure w/Magnetic Tip - 30 ft.	1 in.	35-238

Electric Engraving Tool

- Engraves metal, glass, stone, ceramics, plastics, hard rubber, wood and many other hard materials
- Unique design reduces bouncing and provides smooth, easy writing; operating at 7,200 strokes per minute
- · Stroke adjusts to vary depth of mark
- · Includes carbide-tipped point for normal markings
- Diamond point available for engraving extra-hard materials (50 to 64 Rockwell, scale C)

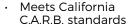
Description	Part No.
Engraver w/carbide-tipped point & 3-conductor grounded cord (7 ft.) & plug — 120V, 60 Hz	11-113
Carbide-Tipped replacement point	11-200
Diamond replacement point	11-201

IDEAL Wipes Multi-Purpose Towels

 Durable pre-moistened fabric scrubs without tearing

 Cleans dirt, grease, lube and grime from most surfaces

 Infused with natural hand moisturizers and Vitamin E, orange citrus scent





Description	Part No.
IDEAL Wipes, 12 in. x 9 in. (82/can)	38-500
IDEAL Wipes Canister Bracket	38-500BR

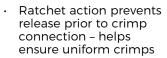
Mechanical Indentor and Crimp Tool

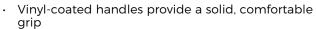
- Use with aluminum (6 AWG to 4/0) and copper (8 AWG to 250 KCMIL) wires
- Adjustable crimping nests with clearly marked gauges
- Lightweight and easy to operate
- Rugged cast steel construction for long-term durability

Description	Part No.
Mechanical Indentor & Crimp Tool	88-843

Ratchet Crimp Tool

 Crimps insulated or bare terminals and splices on 10-22 AWG wire





Description	Part No.
Ratchet Crimp Tool	83-001

Four-Way Crimp Tool

- Design ensures even compression and reliable connections
- Spring-loaded, cam-actuated plungers
- Fingertip adjustment for two connector sizes

Description	Part No.
Four-Way Crimp Tool for use with Buchanan 2006S and 2011S Crimp Connectors	C24

SirNickless™ Cutter

- Handles all common BX, MCAP®, MC and Flex cables
- Blade cuts armor without damage to internal conductors
- Splices cleanly through casings with only a few turns
- Handle knob stores up to six replacement blades (Cutter comes with one blade installed.)



35-781

IDEAL

35-782

Description	Quantity	Part No.
Rotary Armored Cable Cutter	_	35-782
Replacement Blades	5/pack	35-781
	1/pack	35-781-1

MCAP® is a registered trademark of Southwire Company.

Aviation Tin Snips

- Labor-saving design cuts straight, left and right, with one tool
- Chrome-molybdenum steel forged blades for strength and durability
- Serrated edges provide a stable hold when cutting

Description	Part No.
Aviation Tin Snips	35-001

CABLE CUTTERS

The IDEAL focus on innovation is demonstrated by the PowerBlade™ line of cable cutters. Chucked into virtually any drill these robust cutters save time and money for utilities and commercial electricians.



- · Fits most standard power drills
- Jaw opening of 3-1/2 in.
- Cuts copper cable up to 1250 MCM and aluminum cable up to 1250 MCM
- Specially hardened, rounded blades minimize cable distortion for professional quality

Description	Replacement Blade*	Part No.
Big Kahuna™ Cable Cutter	KB-0276R	35-076

^{*}Two blades per package, 1 upper blade and 1 lower blade.



(Drill not included)

- · Fits most standard power drills
- · Jaw opening of 3/4 in. for precision and accuracy
- · Especially designed for reinforced aluminum cable
- Cuts up to Merlin ACSR cable size or 250 MCM Copper or Aluminum

Description	Replacement Blade*	Part No.
Merlin ACSR Cable Cutter	KB-0278R	35-077

^{*}Two blades per package, 1 upper blade and 1 lower blade.



- · Fits most standard power drills
- (Drill not included)
- Jaw opening of 1-1/2 in.
- Cuts copper cable up to 750 MCM and aluminum cable up to 1000 MCM
- Specially hardened, rounded blades minimize cable distortion for professional quality

Description	Replacement Blade*	Part No.
PowerBlade™ 750 Cable Cutter	K-8906R	35-078

^{*}Two blades per package, 1 upper blade and 1 lower blade.

PowerBlade[™] Cable Cutter Replacement Parts

Replacement Parts	Part No.
Gearbox Assembly	H-3400
PowerBlade™ Replacement Folding Assembly	H-3507
PowerBlade™ Replacement Torque Arm Assembly	K-8909

Check out our PowerBlade videos at idealind.com

Ratcheting Cable Cutter

- · Cuts hard drawn copper up to 400 MCM and soft copper, aluminum and multiple conductor cable up to 600 MCM
- Hardened steel blades ensure consistent cuts and long-term durability
- Rounded blade design minimizes cable distortion during cutting
- Quick release mechanism simplifies blade back-out
- Locking mechanism keeps handles closed for easy storage

Description	Part No.
400 MCM Ratcheting Cable Cutter*	35-056

*Max. Jaw Opening - 2 in. Not for cutting steel or ACSR.

Long-Arm Cable Cutters

- High strength forged blades for ultimate durability
- Precision-ground jaws make clean cuts with minimal cable distortion
- Replaceable blades
- For copper and aluminum only.
- Not designed for steel or ACSR.



Description	Length	Replacement Head	Part No.
250 MCM Long-Arm Cable Cutter	14 in.	35-031B	35-031
500 MCM Long-Arm Cable Cutter	22 in.	35-032B	35-032
1000 MCM Long-Arm Cable Cutter	32 in.	35-033B	35-033

CAUTION: Comfort-grip handles are not designed for protection against electrical shock. Do not use on live circuits.

BigFoot™ Ratcheting Cable Cutter

Designed to cut 750 MCM and smaller hard-drawn copper and aluminum cables

Hardened steel blades ensure consistent cuts and long-term durability

Rounded blade design minimizes cable distortion during cutting

Quick release mechanism simplifies blade back-out

Locking mechanism keeps handles closed for easy storage

Molded-in foot provides stability and leverage when making multiple cuts



Description	Part No.
750 MCM Ratcheting Cable Cutter*	35-053
Replacement blade (movable side only)	35-057

^{*}Max. Jaw Opening - 2 in. Not for cutting steel or ACSR.

Molded foot for stability and leverage.

SCREWDRIVER TYPES

Specialty

- · Multi-Bit
- Top quality screwdrivers designed especially for the professional electrician
- · Multi-functional for all your fastening needs

Cushioned-Grip

- · Cushioned-grip provides comfort and maximum torque
- Blasted tip helps prevent plate chipping
- Nickel chrome steel shank for maximum strength and durability
- Mini cushioned-grip tightens small fasteners easily and accurately

Nut Drivers

- · Hollow shanks handle longer bolts
- Available in long lengths to accommodate extra long bolts
- · Cushioned-gripped for comfort and maximum torque





Screwdriver Advanced Features

Specialty



Patented Wire Connector Wrench in handle



Accu-Loop™ Wire Looping Holes make perfect loops!

Cushioned-Grip



FastFinder™ icon shows tip type on handle end



Combo Head™ tip ensures full fastener engagement

NEW

Extendable Length Screwdriver

- 1/4 in. slotted #2 Phillips
- #1, #2 Square
- Pull up to retract, push down to extend
- Collar spins for ease of use
- Comes with two double-sided blades



Description	Part No.
Extendable Length Screwdriver	35-947

6-in-1 Stubby Multi-Bit Screwdriver & Nut Driver

- 3/16 in., 1/4 in. slotted
- #1. #2 Phillips
- 1/4 in., 5/16 in. hex

Description	Part No.
6-in-1 Stubby Multi-Bit Screwdriver & Nut Driver	35-945



Description	Part No.
6-in-1 Multi-Bit Screwdriver & Nut Driver	35-949

12-in-1 Multi-Bit Screwdriver & Nut Driver

- 3/16 in., 1/4 in. slotted
- #1, #2 Phillips
- 3/16 in., 1/4 in., 5/16 in., 3/8 in. hex
- T10, T15 Torx®
- #1, #2 square

Description	Part No.
12-in-1 Multi-Bit Screwdriver & Nut Driver	35-946

Torx® is a registered trademark of Acument Intellectual Properties, LLC.

6-in-1 Stubby & 6-in-1 Multi-Bit Screwdriver & Nut Driver Combo

6-in-1 Stubby

- 3/16 in., 1/4 in. slotted
- #1, #2 Phillips
- 1/4 in., 5/16 in. hex 6-in-1 Multi-Bit
- 3/16 in., 1/4 in. slotted
- #1, #2 Phillips
- 1/4 in., 5/16 in. hex

Description	Part No.
6-in-1 Stubby & 6-in-1 Multi-Bit Screwdriver & Nut Driver Combo`	35-954

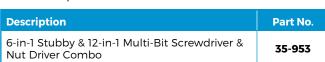
6-in-1 Stubby & 12-in-1 Multi-Bit Screwdriver & Nut Driver Combo

6-in-1 Stubby

- 3/16 in., 1/4 in. slotted
- #1, #2 Phillips
- 1/4 in., 5/16 in. hex

12-in-1 Multi-Bit

- 3/16 in., 1/4 in. slotted
- #1, #2 Phillips
- 3/16 in., 1/4 in., 5/16 in 3/8 in. hex
- T10, T15 Torx®
- #1, #2 square



Torx[®] is a registered trademark of Acument Intellectual Properties, LLC.

12-in-1 Multi-Bit Screwdriver & Nut Driver w/Combo Head™

3/16 in., 1/4 in. slotted

- #1, #2 Phillips
- 3/16 in., 1/4 in., 5/16 in., 3/8 in. hex
- T10. T15 Torx®
- #1, #2 square

Description	Part No.
12-in-1 Multi-Bit Screwdriver & Nut Driver w/ Combo Head™	35-939





Replacement Tips

Description	Part No.
1/4 in. Slotted - #2 Phillips	35-940
3/16 in. Slotted - #1 Phillips	35-941
#1 Square - #2 Square	35-942
#10 & #15 Star	35-943

21-in-1 Twist-a-Nut[™] Ratcheting Screwdriver

- Patented Wire Connector Wrench accepts a wide variety of connectors and reduces finger fatigue
- Pro-quality, 28 tooth, all metal ratchet can handle 225 lbs. of torque without failure
- Ergonomic, slip-free textured grip provides excellent torque and is impervious to perspiration, gas, oil and chemicals
- · Multiple bit storage unit in handle
- Bits included: #1 Phillips, #2 Phillips, #3 Phillips, 3/16" Slotted, 1/4" Slotted, 5/16" Slotted, #1 Square, #2 Square, #15 Star, #20 Star, #25 Star, #30 Star, 3/32" Hex, 1/8" Hex, 3/16" Hex, 5/32" Hex, 1/4" Nut, 5/16" Nut and 7/16" Nut

Description	Part No.
21-in-1 Twist-a-Nut™ Screwdriver	35-688

9-in-1 Ratch-a-Nut[™] Screwdriver

- Patented Wire Connector Wrench accepts a wide variety of connectors and reduces finger fatigue
- Pro-quality, 28 tooth, all metal ratchet can handle 225 lbs. of torque without failure
- Ergonomic, slip-free textured grip provides excellent torque and is impervious to perspiration, gas, oil and chemicals
- Accepts Twist-a-Nut[™] replacement bits
- Bits included: 1/4 in. Slotted, 3/16 in. Slotted, #1
 Phillips, #2 Phillips, 1/4 in. Nut Driver, 5/16 in. Nut
 Driver, and 7/16 in. Nut Driver

Description	Part No.
9-in-1 Ratch-a-Nut™ Screwdriver	35-988

7-in-1 Twist-a-Nut[™] Screwdriver

- Patented Wire
 Connector
 Wrench
 accepts a wide variety of connectors and reduces
 finger fatigue
- Ergonomic, slip-free textured grip provides excellent torque and is impervious to perspiration, gas, oil and chemicals
- Handle is interchangeable with conduit deburrer head (#35-096) and 6-in-1 Tap Tool (#35-922)
- Bits included: 1/4 in. Slotted, 3/16 in. Slotted, #1
 Phillips, #2 Phillips, 1/4 in. Nut Driver and 5/16 in.
 Nut Driver

Description	Part No.
7-in-1 Twist-a-Nut™ Screwdriver/Nut Driver	35-908
Replacement Handle	K-8964

6-in-1 Twist-a-Nut™ Tap Tool

- Forms new threads, re-forms burred threads and cleans out obstructions
- Reversible, high-carbon tap with three clearly marked thread sizes on each end



- Handle is interchangeable with 7-in-1 Screwdriver (#35-908) and Conduit Deburrer (#35-083)
- Includes: 6-32, 8-32 & 10-32 on one tapping side and 10-24, 12-24 & 1/4-20 on other side

Description	Part No.
6-in-1 Twist-a-Nut™ Tapping Tool	35-922
Replacement collar and six taps	35-923

Replacement Tips (for 7-in-1 Twist-a-Nut™ and 9-in-1 Ratch-a-Nut™ Screwdrivers)

Description		Part No.
1/4 in. Slotted - #2 Phillips		35-911
3/16 in. Slotted - #1 Phillips		35-912
1/4 in. Slotted - #2 Square		35-913
3/16 in. Slotted - #1 Square		35-914
#15 & #10 Star	-8	35-915

Twist-a-Nut[™] Conduit Deburring Tools



- Deburrs inside and outside edges of 1/2 in., 3/4 in. and 1 in. thin wall conduit
- Hooded tip tightens EMT fitting set screws without
- Square tip "seats" much more quickly on fitting screws than slotted version
- Head removes and is interchangeable with IDEAL 7-in-1 Twist-a-Nut™ Screwdriver shaft (#35-908)
- · Head can be used at low speed setting in drill or cordless screwdriver

Description	Тір Туре	Part No.
Conduit Deburring Tool	Slotted	35-083
Conduit Deburring Tool	#2 Square	35-075
Conduit Deburring Tool (head only)	Slotted	35-096
Conduit Deburring Replacement Blade		35-097
Conduit Deburring Tool (head only)	#2 Square	35-098

Twist-a-Nut[™] Conduit Wiring Kit



- Includes:
 - Twist-a-Nut™ Screwdriver (35-908)
 - Twist-a-Nut™ Deburring Head Square Tip (35-098)
 - Twist-a-Nut™ Tap Tool Shaft (35-923)
 - Three Spare Bits 1/4 in. Slotted & #2 Square, 3/16 in. Slotted & #1 Square, #10 & #15 Star
 - 8-Pocket Carrying Pouch (35-927)
- Nylon carrying pouch with metal belt clip holds all three Twist-a-Nut™ tools plus room for four replacement bits or taps

Description	Part No.
Twist-a-Nut™ Conduit Wiring Kit	35-926
Twist-a-Nut™ Carrying Pouch only	35-927

Twist-a-Nut[™] Pro Electrician's Screwdrivers



- Vapor-blasted tip improves screw grip
- Tough, chrome vanadium steel shank

Description	Part No.
#2 x 6 in. Square Twist-a-Nut™ Pro Electrician's Screwdriver	30-330
1/4 in. x 4 in. Slotted Twist-a-Nut™ Pro Electrician's Screwdriver	30-331
1/4 in. x 6 in. Slotted Cabinet Tip Twist-a-Nut™ Pro Electrician's Screwdriver	30-333

11-in-1 Screwdriver/Nut Driver



- Includes: 1/4 in. Slotted, 3/16 in. Slotted, #2 Phillips, #1 Phillips, #1 Square, #2 Square, #15 Star, #10 Star, 5/16 in. Nut Driver & 1/4 in. Nut Driver
- Cushioned grip for comfort and performance
- Accu-Loop™ Wire looping holes

Description		Part No.
11-in-1 Screwdriver/Nut Driver		35-910
Replacement Bits		Part No.
1/4 in. Slotted - #2 Phillips (2/pack)	The same	35-940
3/16 in. Slotted - #1 Phillips (2/pack)	-	35-941
#1 & #2 Square (2/pack)	-	35-942
#15 & #10 Star (2/pack)		35-943

8-Piece Cushioned-Grip Screwdriver Set



Description	Part No.
8-Piece Screwdriver Set	35-298
Set Includes:	
#1 Phillips	35-193
3/16 in. Slotted	35-183
#2 Phillips	35-194
1/4 in. Heavy-Duty Round Keystone	35-164
1/4 in. Heavy-Duty Square Keystone	35-154
3/16 in. Cabinet	35-186
1/4 in. Heavy-Duty Cabinet	35-151
5/16 in. Heavy-Duty Keystone	35-166

5-Piece Cushioned-Grip Screwdriver Set



Description	Part No.
5-Piece Screwdriver Set	35-297
Set Includes:	
#2 Phillips	35-194
1/4 in. Heavy-Duty Square Keystone	35-154
3/16 in. Cabinet	35-186
1/4 in. Heavy-Duty Cabinet	35-151
5/16 in. Heavy-Duty Keystone	35-166

7-Piece Cushioned-Grip Screwdriver Set



Description	Part No.
7-Piece Screwdriver Set	35-1298
Set Includes:	
#1 Phillips	35-193
1/4 in. Heavy-Duty Cabinet	35-150
#2 Phillips	35-194
1/4 in. Heavy-Duty Square Keystone	35-154
3/16 in. Cabinet	35-183
1/4 in. Heavy-Duty Cabinet	35-156
3/16 in. Heavy-Duty Keystone	35-186

4-Piece Mini Cushioned-Grip Screwdriver Set

 Set Includes: #0 Phillips, 1/16 in. Keystone, 3/32 in. Cabinet and 1/8 in. Cabinet



Description		Part No.
4-Piece Screwdriver Set	SOLD ONLY AS A SET	35-1301

2-Piece Stubby Cushioned-Grip Screwdriver Set

Set Includes: #2
 Phillips and 1/4 in.
 Keystone



Description		Part No.
2-Piece Stubby Screwdriver Set	SOLD ONLY AS A SET	35-1300

Phillips Cushioned-Grip Screwdrivers



Description	Blade Length	Handle Overall Length Length		Part No.
#1 Phillips	3 in.	3-3/4 in.	6-3/4 in.	35-193
#2 Phillips	1-1/2 in.	1-15/16 in.	3-7/16 in.	35-191
#2 Phillips	4 in.	4-5/16 in.	8-5/16 in.	35-194
#2 Phillips	6 in.	4-5/16 in.	10-5/16 in.	35-195
#3 Phillips	6 in.	5-23/64 in.	11-23/64 in.	35-196

Square Cushioned-Grip Screwdrivers



Description	Blade Length	Handle Length	Overall Length	Part No.
#0 Square	4 in.		8-5/16 in.	35-690
#1 Square	4 in.	4-5/16 in.	8-5/16 in.	35-691
#1 Square	8 in.		12-5/16 in.	35-692
#2 Square	4 in.		8-5/16 in.	35-693
#2 Square	8 in.		12-5/16 in.	35-694
#3 Square	4 in.		8-5/16 in.	35-695

Cabinet Cushioned-Grip Screwdrivers



Description	Blade Length	Handle Length	Overall Length	Part No.
3/16 in. shank and tip	3 in.	3-3/4 in.	6-3/4 in.	35-183
3/16 in. shank and tip	4 in.		7-3/4 in.	35-184
3/16 in. shank and tip	6 in.		9-3/4 in.	35-186
3/16 in. shank and tip	8 in.		11-3/4 in.	35-188
3/16 in. shank and tip	10 in.		13-3/4 in.	35-190

Heavy-Duty Cabinet Cushioned-Grip Screwdrivers



Description	Blade Length	Handle Length	Overall Length	Part No.
1/4 in. shank and tip	4 in.		8-3/8 in.	35-150
1/4 in. shank and tip	6 in.	4-5/16 in.	10-3/8 in.	35-151
1/4 in. shank and tip	8 in.		12-3/8 in.	35-152

Heavy-Duty Round Shaft Keystone Cushioned-Grip Screwdrivers



Round Shank	Blade Length	Handle Length	Overall Length	Part No.
1/4 in. shank and tip	1-1/2 in.	1-15/16 in.	3-7/16 in.	35-161
1/4 in. shank and tip	4 in.	4-5/16 in.	8-5/16 in.	35-164
5/16 in. shank and tip	6 in.	5-11/32 in.	11-11/32 in.	35-166
3/8 in. shank and tip	8 in.	5-11/32 in.	13-11/32 in.	35-168

Heavy-Duty Square Shaft Keystone Cushioned-Grip Screwdrivers



Square Shank	Blade Length	Handle Length	Overall Length	Part No.
1/4 in. shank and tip	4 in.	4-5/16 in.	8-5/16 in.	35-154
5/16 in. shank and tip	6 in.	5-11/32 in.	11-11/32 in.	35-156
3/8 in. shank and tip	8 in.	5-11/32 in.	13-11/32 in.	35-158

Combo Head™ Cushioned-Grip Screwdriver



- Designed to accurately and securely fit most fasteners
- · Patented design

Description	Blade	Handle	Overall	Part
	Length	Length	Length	No.
Combo Head™ Cushioned-Grip Screwdriver	4 in.	4-5/16 in.	8-5/16 in.	35-204

Quick Rotating Screwdriver



- Ideal for threading screws in switches, fixtures and anchors
- · Quick and easy crank action

Description	Blade Length	Handle Length	Overall Length	Part No.
Cabinet Quick Rotating Screwdriver	5-9/16 in.	3-3/4 in.	9-3/8 in.	35-200
Phillips Quick Rotating Screwdriver	5-5/8 in.	4-5/16 in.	9-15/16 in.	35-203

Awl



 Heavy-duty construction for piercing, punching and scribing

Description	Blade Length	Handle Length	Overall Length	Part No.
Awl	3 in.	3-3/4 in.	6-3/4 in.	35-202

Grip-n-Screw[™] **Screwdriver**



- · Holds screw when collar is extended
- · Non-magnetic screw-holding screwdriver

Description	Blade Length	Handle Length	Overall Length	Part No.
3/16 in. Slotted Grip-n-Screw™ Screwdriver	5-7/8 in.	3-3/4 in.	9-5/8 in.	35-406
#2 Phillips Grip-n-Screw™ Screwdriver	6-7/8 in.	4-15/16 in.	11-1/4 in.	35-404

Off-Set Screwdriver Set



- 1/4 in. x 1/4 in. Slotted tips and #1 Phillips x #2 Phillips tips
- Designed to tighten fasteners in hard to reach places

Description	Overall Length	Part No.
Off-Set Screwdriver Set	4 in.	35-219















Nutmaster® Nut Drivers





 Model 35-292 fits tan Twister® Wire Connector and 35-295 fits gray Twister® Wire Connectors

Description	Shank Length	Handle Length	Overall Length	Part No.
3/16 in.				35-290
1/4 in.				35-291
5/16 in.		4-5/16 in.	7-5/16 in.	35-292
11/32 in.	3 in.			35-293
3/8 in.				35-294
7/16 in.				35-295
1/2 in.				35-296

2-Piece Hollow-Shaft Nut Driver Set



- · Includes: 1/4 in. Nut Driver & 5/16 in. Nut Driver
- · Long shanks useful in deep electrical boxes

Description	Shank Length	Handle Length	Overall Length	Part No.
2-Piece Nut Driver Set	5-15/16 in.	4-5/16 in.	10-1/4 in.	35-1302

2-Piece Stubby Nut Driver Set

 Includes: 1/4 in. Nut Driver & 5/16 in. Nut Driver





	For	use	in	tight	spaces
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Description		Handle Length		Part No.
2-Piece Nut Driver Stubby Set	1-1/2 in.	2-1/8 in.	3-5/8 in.	35-1299

7-Piece Nut Driver Set

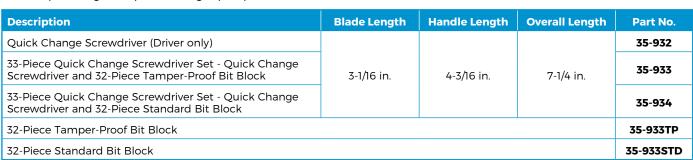




Description	Part No.
7-Piece Nut Driver Set	35-299
Set Includes:	
3/16 in.	35-290
1/4 in.	35-291
5/16 in.	35-292
11/32 in.	35-293
3/8 in.	35-294
7/16 in.	35-295
1/2 in.	35-296

Quick-Change Screwdriver

- Patented Sure-Loc™ Quick Change chuck securely holds bits
- Built-in bit storage container in handle holds up to five extra insert bits
- · Bits fit most standard multi-bit screwdrivers
- E-Z Spin™ high torque rotating flip cap





Adjustable Torque Screwdriver

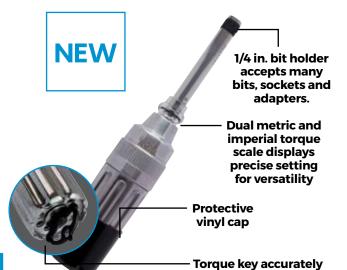
 Includes adjustable torq range of up to 36 in. lbs. (bi-directional accuracy, +/- 6%)

 Used for assembly and maintenance applications in accordance to 2017 NEC

 Unique torque limiting clutch disengages once preset torque is reached

Kit contains: -Torque Screwdriver #1, #2 Phillips Bits #1 and #2 Square Bits 1/4 in., 3/16 in. Slotted Bits





controls torque adjustment.

Description	Part No.
Adjustable Torque Screwdriver Kit, 0-36 in. lbs.	35-936

Slim Electronics Screwdrivers

- Designed for maximum handling comfort when working in tight areas
- Tough, chrome vanadium steel shank
- · Phosphate tip for long life
- Color-coded cap for easy identification



Description	Blade Length	Handle Length	Overall Length	Part No.
Cabinet, 3/32 in.	2-1/2 in.		6-1/16 in.	36-240
Cabinet, 3/32 in.	3 in.		6-9/16 in.	36-241
Cabinet, 1/8 in.	4 in.		7-9/16 in.	36-242
Cabinet, 1/8 in.	6 in.	3-9/16 in.	9-9/16 in.	36-243
Cabinet, 5/32 in.	4 in.		7-9/16 in.	36-244
Cabinet, 5/32 in.	6 in.		9-9/16 in.	36-245
Phillips, #0	2-1/2 in.		6-1/16 in.	36-246
7-Piece Set includes one each of 36-240 thru 36-246				36-248
4-Piece Set includes one each of 36-240, 36-241, 36-242, & 36-246			36-249	

INDUSTRIAL SCREWDRIVER BITS & ACCESSORIES



Phillips

Torx® is a registered trademark of Acument Intellectual Properties, LLC.

Combo Head™

Combo Head™ Bits

· Patented design tip fits most Phillips screws

Description	Part No. (Carded)	Part No. (Bulk)
Combo Drive #2, 1 in. Insert Bit	78-0105	78-0105-25
Combo Drive #2, 2 in. Power Bit	78-0106	78-0106-25

Slotted Bits

Description	Part No. (Carded)	Part No. (Bulk)
Slotted 1/4 in., 1 in. Insert Bit	78-0209	_
Slotted 1/4 in., 2 in. Power Bit	78-0210	_
Slotted 1/8 in., 1 in. Insert Bit	78-0211	_
Slotted 1/8 in., 2 in. Power Bit	78-0212	_
Slotted 3/16 in., 1 in. Insert Bit	78-0213	78-0213-25
Slotted 3/16 in., 2 in. Power Bit	78-0214	78-0214-25
Slotted 7/32 in., 1 in. Insert Bit	_	78-0215-25
Slotted 7/32 in., 2 in. Power Bit	_	78-0216-25

Double-Ended Bits

Description	Part No. (Carded)	Part No. (Bulk)
DE Slotted 1/4 in. x #2 Phillips	78-0102	78-0102-25
DE Slotted 1/4 in. x #2 Square	78-0103	_
DE Square #2 Square x #2 Phillips	_	78-0104-25

Magnetic Bit Holder

 Slender extension with powerful magnet to grasp and hold bits

Description	Part No. (Carded)	Part No. (Bulk)
Magnetic Bit Holder, 4 in.	78-0107	_
Magnetic Bit Holder, 6 in.	78-0108	78-0108-10

Socket Adapter

Description	Part No. (Carded)	Part No. (Bulk)
Socket Adapter, 1 in. Insert Bit	78-0217	78-0217-25
Socket Adapter, 2 in. Power Bit	78-0218	_

Magnetic Nut Setter

· Variety of sizes for multiple applications

Description	Part No. (Carded)	Part No. (Bulk)
Magnetic Nut Setter, 1/4 in.	78-0111	78-0111-10
Magnetic Nut Setter, 3/8 in.	78-0113	78-0113-10
Magnetic Nut Setter, 5/16 in.	78-0114	78-0114-10
Magnetic Nut Setter 3 pk. 1/4 in., 3/8 in., 5/16 in.	78-0112	_

Torx® Bits

 Manufactured to tight tolerances to ensure accurate fit and full fastener engagement

Description	Part No. (Carded)	Part No. (Bulk)
Torx® 20, 1 in. Insert Bit	78-0226	_
Torx [®] 25, 1 in. Insert Bit	78-0227	_
Torx® 27, 1 in. Insert Bit	78-0228	_
Torx® 30, 1 in. Insert Bit	78-0229	_
7 pc. Torx® Bit Set in Holder	78-0100	_

Torx® is a registered trademark of Acument Intellectual Properties, LLC.

Tamper-Proof Torx® Bits

Description	Part No. (Carded)	Part No. (Bulk)
TP Torx® T20, 1 in. Insert Bit	78-0230	_
TP Torx® T25, 1 in. Insert Bit	78-0231	_
TP Torx® T27, 1 in. Insert Bit	78-0232	_
TP Torx® T30, 1 in. Insert Bit	78-0233	_
7 pc. Tamper-Proof Torx® Bit Set in Holder	78-0101	-

Torx® is a registered trademark of Acument Intellectual Properties, LLC.

Phillips Bits

Description	Part No. (Carded)	Part No. (Bulk)
Phillips #1, 1 in. Insert Bit	78-0200	78-0200-25
Phillips #1, 2 in. Power Bit	78-0201	78-0201-25
Phillips #2, 1 in. Insert Bit	78-0202	78-0202-25
Phillips #2, 2 in. Power Bit	78-0203	78-0203-25
Phillips #3, 1 in. Insert Bit	78-0205	78-0205-25
Phillips #3, 2 in. Power Bit	78-0206	78-0206-25

Square Bits

Description	Part No. (Carded)	Part No. (Bulk)
Square #1, 1 in. Insert Bit	78-0219	78-0219-25
Square #1, 2 in. Power Bit	78-0220	78-0220-25
Square #2, 1 in. Insert Bit	78-0221	78-0221-25
Square #2, 2 in. Power Bit	78-0222	78-0222-25
Square #2, 6 in. Power Bit	78-0223	_
Square #3, 1 in. Insert Bit	78-0224	78-0224-25
Square #3, 2 in. Power Bit	78-0225	78-0225-25

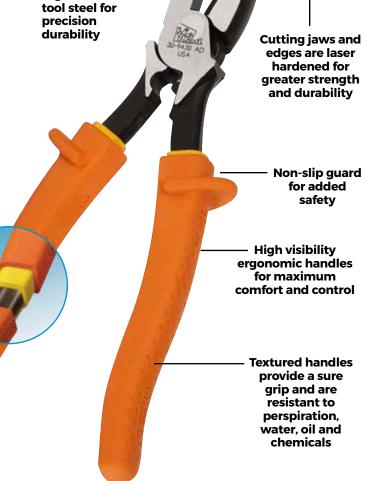
INSULATED TOOLS

- · Double insulated, 1,000V certified
- Meets ASTM F1505-01 and IEC 60 900 standards
- · Complies with OSHA 1910.335 regulations and NFPA 70E standards
- · UL and VDE classified and certified (Pliers and Wire Strippers)
- · Serrated jaws provide secure gripping surface
- · Cutting jaws and edges laser hardened for areater
 - strength and durability
- · High carbon tool steel for precision durability
- · Non-slip quard for added safety
- · High visibility ergonomic handles for maximum comfort and control
- · Textured handles provide a sure grip and are resistant to perspiration, water, oil and chemicals



Pliers & Wire Stripper only

Permanently bonded double insulated handles for added safety



Serrated iaws provide secure

High carbon

gripping surface



Our insulated pliers and wire stripper are the first to have successfully passed UL classification requirements. Recognized as the undisputed leader in product safety and certification. UL has developed rigorous safety standards for 1000V insulated tools. In order to carry the UL classified mark, tools must be tested by UL to met these standards.

Whenever possible, always de-energize lines and equipment prior to working on or around them. 1000V insulated tools are designed only to reduce the chance of injury where the tool may make contact with an energized source. Work around energized circuits should only be done when absolutely necessary and only by qualified technicians. Property damage, personal injury or death may result if the following warnings are not heeded:

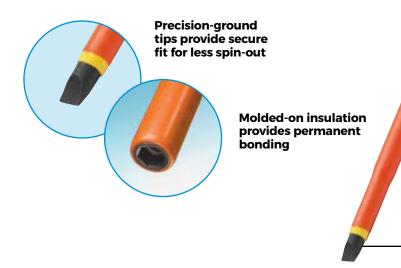
- Do not use any insulated tool if the insulation cracks, breaks or becomes damaged in any way. Destroy all dual-layer tools if the inner yellow layer shows through the orange outer layer.
- · Do not touch the uninsulated portion of an insulated tool or any conductive object when either might contact an energized
- · Tools must be kept clean and dry for proper insulating properties.
- · Always inspect insulated tools before use.
- · Use additional protection by wearing protective clothing and approved eye protection.
- Always use tools that are specifically designed for the task.
- These tools meet UL 22PP, ASTM F1505-01 and IEC 60 900 standards for insulated tools.
- · Always follow OSHA 1910 S and NFPA 70E safety requirements when doing electrical work.

INSULATED SCREWDRIVERS & NUT DRIVERS

IDEAL insulated screwdrivers and nutdrivers are VDE certified to 1000V AC. Each one is designed to meet ASTM F1505-01, EN, DIN and IEC 60 900 test standards.

- Tempered blades are finished with black oxide and super hardened for maximum quality
- · Precision ground tips provide secure fit for less spin-out

• Meets OSHA requirements for insulated tools (29 CFR 1910)



Tempered chrome vanadium tool steel blades are super hardened for maximum quality

Cutting JawsInduction hardened cutting edges for precise cuts and long life.



Impact-ResistantDesigned for the most rugged job site conditions.



Safety Finger GuardReduces chance of accidental contact with exposed metal tool parts.



9-Piece Insulated Tool Kit



Description	Part No.
9-Piece Insulated Tool Kit (Case Included)	35-9108
Kit Includes:	
9-1/4 in. Insulated Linesman Pliers	30-9430
8 in. Insulated Diagonal Cutting Pliers w/angled head	35-9029
8-1/2 in. Insulated Long-Nose Pliers	35-9038
Insulated T®-Stripper Wire Stripper	45-9120
Slotted 7/32 in. x 5 in. Insulated Screwdriver	35-9147
Slotted 1/4 in. x 4 in. Insulated Screwdriver	35-9150
Slotted 1/4 in. x 6 in. Insulated Screwdriver	35-9151
Phillips #1 x 3-3/16 in. Insulated Screwdriver	35-9193
Phillips #2 x 4 in. Insulated Screwdriver	35-9194

Basic Insulated Tool Kit



Description	Part No.
Basic Insulated Tool Kit (Case Included)	35-9100
Kit Includes:	
9-1/4 in. Insulated Linesman Pliers	30-9430
Safe-T-Grip® Fuse Puller, Medium	34-002
8 in. Insulated Diagonal Cutting Pliers w/angled head	35-9029
8-1/2 in. Insulated Long-Nose Pliers	35-9038
9-1/2 in. Insulated Cable Cutter	35-9052
Slotted 1/4 in. x 4 in. Insulated Screwdriver	35-9150
Slotted 1/4 in. x 6 in. Insulated Screwdriver	35-9151
Phillips #2 x 4 in. Insulated Screwdriver	35-9194
Safety Lockout Padlock, Red	44-916
Circuit Breaker Lockout	44-956
Circuit Breaker Lockout	44-957
Insulated T®-Stripper Wire Stripper	45-9120

Standard Insulated Tool Kit



Description	Part No.
Standard Insulated Tool Kit (Case Included)	35-9101
Kit Includes:	
9-1/4 in. Insulated Linesman Pliers	30-9430
Safe-T-Grip® Fuse Puller, Medium	34-002
8 in. Insulated Diagonal Cutting Pliers w/angled head	35-9029
8-1/2 in. Insulated Long-Nose Pliers	35-9038
9-1/2 in. Insulated Cable Cutter	35-9052
Slotted 1/4 in. x 4 in. Insulated Screwdriver	35-9150
Slotted 1/4 in. x 6 in. Insulated Screwdriver	35-9151
Slotted 5/16 in. x 7 in. Insulated Screwdriver	35-9166
Slotted 3/8 in. x 8 in. Insulated Screwdriver	35-9168
Phillips #1 x 3-3/16 in. Insulated Screwdriver	35-9193
Insulated Skinning Knife	35-9340
10 in. Insulated Tongue & Groove Pliers	35-9420
Safety Lockout Padlock, Red	44-916
Circuit Breaker Lockout	44-956
Circuit Breaker Lockout	44-957
Insulated T®-Stripper Wire Stripper	45-9120
VoltSensor™ Non-Contact Voltage Tester	61-063

Journeyman Insulated Tool Kit



DescriptionPart No.Journeyman Insulated Tool Kit (Case Included)35-9102Kit Includes:30-94299-3/4 in. Insulated Multi-Crimp Tool30-94299-1/4 in. Insulated Linesman Pliers30-9430Safe-T-Grip® Fuse Puller, Medium34-0028 in. Insulated Diagonal Cutting Pliers Wangled head35-90298-1/2 in. Insulated Long-Nose Pliers35-90389-1/2 in. Insulated Cable Cutter35-9052Slotted 1/4 in. x 4 in. Insulated Screwdriver35-9150Slotted 1/4 in. x 6 in. Insulated Screwdriver35-9151Slotted 5/16 in. x 7 in. Insulated Screwdriver35-9166Slotted 3/8 in. x 8 in. Insulated Screwdriver35-9168Phillips #1 x 3-3/16 in. Insulated Screwdriver35-9193Phillips #2 x 4 in. Insulated Screwdriver35-9194Phillips #3 x 6 in. Insulated Screwdriver35-91943/16 in. x 5 in. Insulated Nut Driver35-92913/8 in. x 5 in. Insulated Nut Driver35-92913/8 in. x 5 in. Insulated Nut Driver35-92923/8 in. x 5 in. Insulated Nut Driver35-9296Insulated Skinning Knife35-934010 in. Insulated Tongue & Groove Pliers35-934010 in. Insulated Tongue & Groove Pliers35-9340Safety Lockout Padlock, Red44-916Circuit Breaker Lockout44-956Circuit Breaker Lockout44-957Insulated T®-Stripper Wire Stripper45-9120VoltSensor™ Non-Contact Voltage Tester61-063		
## Stit Includes: 9-3/4 in. Insulated Multi-Crimp Tool 30-9429 9-1/4 in. Insulated Linesman Pliers 30-9430 \$afe-T-Grip® Fuse Puller, Medium 34-002 8 in. Insulated Diagonal Cutting Pliers w/angled head 8-1/2 in. Insulated Long-Nose Pliers 9-1/2 in. Insulated Cable Cutter 35-9052 \$Iotted 1/4 in. x 4 in. Insulated Screwdriver \$Iotted 1/4 in. x 6 in. Insulated Screwdriver \$Iotted 5/16 in. x 7 in. Insulated Screwdriver \$Iotted 3/8 in. x 8 in. Insulated Screwdriver \$Iotted 3/8 in. x 8 in. Insulated Screwdriver Phillips #1 x 3-3/16 in. Insulated Screwdriver Phillips #3 x 6 in. Insulated Screwdriver 35-9194 Phillips #3 x 6 in. Insulated Screwdriver 35-9196 3/16 in. x 5 in. Insulated Nut Driver 35-9291 5/16 in. x 5 in. Insulated Nut Driver 35-9292 3/8 in. x 5 in. Insulated Nut Driver 35-9294 7/16 in. x 5 in. Insulated Nut Driver 35-9295 1/2 in. x 5 in. Insulated Nut Driver 35-9296 Insulated Skinning Knife 35-9340 10 in. Insulated Tongue & Groove Pliers 35-9430 Safety Lockout Padlock, Red 44-916 Circuit Breaker Lockout 44-957 Insulated T®-Stripper Wire Stripper	Description	Part No.
9-3/4 in. Insulated Multi-Crimp Tool 9-1/4 in. Insulated Linesman Pliers 30-9430 Safe-T-Crip® Fuse Puller, Medium 34-002 8 in. Insulated Diagonal Cutting Pliers w/angled head 8-1/2 in. Insulated Long-Nose Pliers 9-1/2 in. Insulated Cable Cutter 35-9038 9-1/2 in. Insulated Cable Cutter 35-9052 Slotted 1/4 in. x 4 in. Insulated Screwdriver Slotted 1/4 in. x 6 in. Insulated Screwdriver 35-9150 Slotted 5/16 in. x 7 in. Insulated Screwdriver 35-9166 Slotted 3/8 in. x 8 in. Insulated Screwdriver 35-9168 Phillips #1 x 3-3/16 in. Insulated Screwdriver Phillips #2 x 4 in. Insulated Screwdriver 9-1/4 in. x 5 in. Insulated Screwdriver 35-9194 Phillips #3 x 6 in. Insulated Screwdriver 35-9196 3/16 in. x 5 in. Insulated Nut Driver 35-9291 5/16 in. x 5 in. Insulated Nut Driver 35-9292 3/8 in. x 5 in. Insulated Nut Driver 35-9294 7/16 in. x 5 in. Insulated Nut Driver 35-9295 1/2 in. x 5 in. Insulated Nut Driver 35-9296 Insulated Skinning Knife 35-9340 10 in. Insulated Tongue & Groove Pliers Safety Lockout Padlock, Red 44-956 Circuit Breaker Lockout 44-957 Insulated T®-Stripper Wire Stripper	Journeyman Insulated Tool Kit (Case Included)	35-9102
9-1/4 in. Insulated Linesman Pliers Safe-T-Grip® Fuse Puller, Medium 34-002 8 in. Insulated Diagonal Cutting Pliers w/angled head 8-1/2 in. Insulated Long-Nose Pliers 35-9038 9-1/2 in. Insulated Cable Cutter 35-9052 Slotted 1/4 in. x 4 in. Insulated Screwdriver Slotted 1/4 in. x 6 in. Insulated Screwdriver Slotted 5/16 in. x 7 in. Insulated Screwdriver Slotted 3/8 in. x 8 in. Insulated Screwdriver Slotted 3/8 in. x 8 in. Insulated Screwdriver Phillips #1 x 3-3/16 in. Insulated Screwdriver Phillips #2 x 4 in. Insulated Screwdriver Phillips #3 x 6 in. Insulated Screwdriver 35-9194 Phillips #3 x 6 in. Insulated Screwdriver 35-9196 3/16 in. x 5 in. Insulated Nut Driver 35-9290 1/4 in. x 5 in. Insulated Nut Driver 35-9291 5/16 in. x 5 in. Insulated Nut Driver 35-9292 1/2 in. x 5 in. Insulated Nut Driver 35-9296 Insulated Skinning Knife 35-9340 10 in. Insulated Tongue & Groove Pliers Safety Lockout Padlock, Red Circuit Breaker Lockout 44-956 Circuit Breaker Lockout Insulated T®-Stripper Wire Stripper	Kit Includes:	
Safe-T-Grip® Fuse Puller, Medium 8 in. Insulated Diagonal Cutting Pliers w/angled head 8-1/2 in. Insulated Long-Nose Pliers 9-1/2 in. Insulated Cable Cutter 35-9052 Slotted 1/4 in. x 4 in. Insulated Screwdriver Slotted 1/4 in. x 6 in. Insulated Screwdriver Slotted 5/16 in. x 7 in. Insulated Screwdriver Slotted 3/8 in. x 8 in. Insulated Screwdriver Slotted 3/8 in. x 8 in. Insulated Screwdriver Phillips #1 x 3-3/16 in. Insulated Screwdriver Phillips #3 x 6 in. Insulated Screwdriver 35-9194 Phillips #3 x 6 in. Insulated Screwdriver 35-9196 3/16 in. x 5 in. Insulated Nut Driver 35-9290 1/4 in. x 5 in. Insulated Nut Driver 35-9291 5/16 in. x 5 in. Insulated Nut Driver 35-9292 3/8 in. x 5 in. Insulated Nut Driver 35-9295 1/2 in. x 5 in. Insulated Nut Driver 35-9296 Insulated Skinning Knife 35-9340 10 in. Insulated Tongue & Groove Pliers 35-9430 Safety Lockout Padlock, Red Circuit Breaker Lockout 44-957 Insulated T®-Stripper Wire Stripper	9-3/4 in. Insulated Multi-Crimp Tool	30-9429
8 in. Insulated Diagonal Cutting Pliers w/angled head 8-1/2 in. Insulated Long-Nose Pliers 35-9038 9-1/2 in. Insulated Cable Cutter 35-9052 Slotted 1/4 in. x 4 in. Insulated Screwdriver 35-9150 Slotted 1/4 in. x 6 in. Insulated Screwdriver 35-9151 Slotted 5/16 in. x 7 in. Insulated Screwdriver 35-9166 Slotted 3/8 in. x 8 in. Insulated Screwdriver 35-9168 Phillips #1 x 3-3/16 in. Insulated Screwdriver Phillips #2 x 4 in. Insulated Screwdriver 35-9193 Phillips #3 x 6 in. Insulated Screwdriver 35-9194 Phillips #3 x 6 in. Insulated Screwdriver 35-9196 3/16 in. x 5 in. Insulated Nut Driver 35-9290 1/4 in. x 5 in. Insulated Nut Driver 35-9291 5/16 in. x 5 in. Insulated Nut Driver 35-9292 3/8 in. x 5 in. Insulated Nut Driver 35-9294 7/16 in. x 5 in. Insulated Nut Driver 35-9295 1/2 in. x 5 in. Insulated Nut Driver 35-9296 Insulated Skinning Knife 35-9340 10 in. Insulated Tongue & Groove Pliers Safety Lockout Padlock, Red Circuit Breaker Lockout 44-956 Circuit Breaker Lockout 44-957 Insulated T®-Stripper Wire Stripper	9-1/4 in. Insulated Linesman Pliers	30-9430
w/angled head 8-1/2 in. Insulated Long-Nose Pliers 9-1/2 in. Insulated Cable Cutter 35-9052 Slotted 1/4 in. x 4 in. Insulated Screwdriver 35-9150 Slotted 5/16 in. x 7 in. Insulated Screwdriver 35-9166 Slotted 3/8 in. x 8 in. Insulated Screwdriver 35-9168 Phillips #1 x 3-3/16 in. Insulated Screwdriver Phillips #2 x 4 in. Insulated Screwdriver 35-9193 Phillips #3 x 6 in. Insulated Screwdriver 35-9194 Phillips #3 x 6 in. Insulated Screwdriver 35-9196 3/16 in. x 5 in. Insulated Nut Driver 35-9290 1/4 in. x 5 in. Insulated Nut Driver 35-9291 5/16 in. x 5 in. Insulated Nut Driver 35-9292 3/8 in. x 5 in. Insulated Nut Driver 35-9294 7/16 in. x 5 in. Insulated Nut Driver 35-9295 1/2 in. x 5 in. Insulated Nut Driver 35-9296 Insulated Skinning Knife 35-9340 10 in. Insulated Tongue & Groove Pliers Safety Lockout Padlock, Red Circuit Breaker Lockout 44-956 Circuit Breaker Lockout Insulated T®-Stripper Wire Stripper	Safe-T-Grip® Fuse Puller, Medium	34-002
9-1/2 in. Insulated Cable Cutter Slotted 1/4 in. x 4 in. Insulated Screwdriver Slotted 1/4 in. x 6 in. Insulated Screwdriver Slotted 5/16 in. x 7 in. Insulated Screwdriver Slotted 3/8 in. x 8 in. Insulated Screwdriver 35-9166 Slotted 3/8 in. x 8 in. Insulated Screwdriver Phillips #1 x 3-3/16 in. Insulated Screwdriver Phillips #2 x 4 in. Insulated Screwdriver 35-9194 Phillips #3 x 6 in. Insulated Screwdriver 35-9196 3/16 in. x 5 in. Insulated Nut Driver 35-9290 1/4 in. x 5 in. Insulated Nut Driver 35-9291 5/16 in. x 5 in. Insulated Nut Driver 35-9292 3/8 in. x 5 in. Insulated Nut Driver 35-9294 7/16 in. x 5 in. Insulated Nut Driver 35-9295 1/2 in. x 5 in. Insulated Nut Driver 35-9296 Insulated Skinning Knife 35-9340 10 in. Insulated Tongue & Groove Pliers Safety Lockout Padlock, Red Circuit Breaker Lockout 44-956 Circuit Breaker Lockout Insulated T®-Stripper Wire Stripper		35-9029
Slotted 1/4 in. x 4 in. Insulated Screwdriver Slotted 1/4 in. x 6 in. Insulated Screwdriver Slotted 5/16 in. x 7 in. Insulated Screwdriver Slotted 3/8 in. x 8 in. Insulated Screwdriver Slotted 3/8 in. x 8 in. Insulated Screwdriver Phillips #1 x 3-3/16 in. Insulated Screwdriver Phillips #2 x 4 in. Insulated Screwdriver Phillips #3 x 6 in. Insulated Screwdriver 35-9194 Phillips #3 x 6 in. Insulated Screwdriver 35-9196 3/16 in. x 5 in. Insulated Nut Driver 35-9290 1/4 in. x 5 in. Insulated Nut Driver 35-9291 5/16 in. x 5 in. Insulated Nut Driver 35-9292 3/8 in. x 5 in. Insulated Nut Driver 35-9294 7/16 in. x 5 in. Insulated Nut Driver 35-9295 1/2 in. x 5 in. Insulated Nut Driver 35-9296 Insulated Skinning Knife 35-9340 10 in. Insulated Tongue & Groove Pliers Safety Lockout Padlock, Red 44-916 Circuit Breaker Lockout 44-957 Insulated T®-Stripper Wire Stripper	8-1/2 in. Insulated Long-Nose Pliers	35-9038
Slotted 1/4 in. x 6 in. Insulated Screwdriver Slotted 5/16 in. x 7 in. Insulated Screwdriver Slotted 3/8 in. x 8 in. Insulated Screwdriver Phillips #1 x 3-3/16 in. Insulated Screwdriver Phillips #2 x 4 in. Insulated Screwdriver Phillips #3 x 6 in. Insulated Screwdriver 35-9194 Phillips #3 x 6 in. Insulated Screwdriver 35-9196 3/16 in. x 5 in. Insulated Nut Driver 35-9290 1/4 in. x 5 in. Insulated Nut Driver 35-9291 5/16 in. x 5 in. Insulated Nut Driver 35-9292 3/8 in. x 5 in. Insulated Nut Driver 35-9294 7/16 in. x 5 in. Insulated Nut Driver 35-9295 1/2 in. x 5 in. Insulated Nut Driver 35-9296 Insulated Skinning Knife 35-9340 10 in. Insulated Tongue & Groove Pliers Safety Lockout Padlock, Red Circuit Breaker Lockout 44-956 Circuit Breaker Lockout Insulated T®-Stripper Wire Stripper	9-1/2 in. Insulated Cable Cutter	35-9052
Slotted 5/16 in. x 7 in. Insulated Screwdriver Slotted 3/8 in. x 8 in. Insulated Screwdriver Phillips #1 x 3-3/16 in. Insulated Screwdriver Phillips #2 x 4 in. Insulated Screwdriver Phillips #3 x 6 in. Insulated Screwdriver 35-9194 Phillips #3 x 6 in. Insulated Screwdriver 35-9196 3/16 in. x 5 in. Insulated Nut Driver 35-9290 1/4 in. x 5 in. Insulated Nut Driver 35-9291 5/16 in. x 5 in. Insulated Nut Driver 35-9292 3/8 in. x 5 in. Insulated Nut Driver 35-9294 7/16 in. x 5 in. Insulated Nut Driver 35-9295 1/2 in. x 5 in. Insulated Nut Driver 35-9296 Insulated Skinning Knife 35-9340 10 in. Insulated Tongue & Groove Pliers Safety Lockout Padlock, Red Circuit Breaker Lockout 44-956 Circuit Breaker Lockout Insulated T®-Stripper Wire Stripper	Slotted 1/4 in. x 4 in. Insulated Screwdriver	35-9150
Slotted 3/8 in. x 8 in. Insulated Screwdriver Phillips #1 x 3-3/16 in. Insulated Screwdriver 35-9193 Phillips #2 x 4 in. Insulated Screwdriver Phillips #3 x 6 in. Insulated Screwdriver 35-9196 3/16 in. x 5 in. Insulated Nut Driver 35-9290 1/4 in. x 5 in. Insulated Nut Driver 35-9291 5/16 in. x 5 in. Insulated Nut Driver 35-9292 3/8 in. x 5 in. Insulated Nut Driver 35-9294 7/16 in. x 5 in. Insulated Nut Driver 35-9295 1/2 in. x 5 in. Insulated Nut Driver 35-9296 Insulated Skinning Knife 35-9340 10 in. Insulated Tongue & Groove Pliers Safety Lockout Padlock, Red 44-916 Circuit Breaker Lockout 44-957 Insulated T®-Stripper Wire Stripper	Slotted 1/4 in. x 6 in. Insulated Screwdriver	35-9151
Phillips #1 x 3-3/16 in. Insulated Screwdriver Phillips #2 x 4 in. Insulated Screwdriver 35-9194 Phillips #3 x 6 in. Insulated Screwdriver 35-9196 3/16 in. x 5 in. Insulated Nut Driver 35-9290 1/4 in. x 5 in. Insulated Nut Driver 35-9291 5/16 in. x 5 in. Insulated Nut Driver 35-9292 3/8 in. x 5 in. Insulated Nut Driver 35-9294 7/16 in. x 5 in. Insulated Nut Driver 35-9295 1/2 in. x 5 in. Insulated Nut Driver 35-9296 Insulated Skinning Knife 35-9340 10 in. Insulated Tongue & Groove Pliers 35-9430 Safety Lockout Padlock, Red 44-916 Circuit Breaker Lockout 44-957 Insulated T®-Stripper Wire Stripper	Slotted 5/16 in. x 7 in. Insulated Screwdriver	35-9166
Phillips #2 x 4 in. Insulated Screwdriver Phillips #3 x 6 in. Insulated Screwdriver 35-9196 3/16 in. x 5 in. Insulated Nut Driver 1/4 in. x 5 in. Insulated Nut Driver 35-9291 5/16 in. x 5 in. Insulated Nut Driver 35-9292 3/8 in. x 5 in. Insulated Nut Driver 35-9294 7/16 in. x 5 in. Insulated Nut Driver 35-9295 1/2 in. x 5 in. Insulated Nut Driver 35-9296 Insulated Skinning Knife 35-9340 10 in. Insulated Tongue & Groove Pliers Safety Lockout Padlock, Red 44-916 Circuit Breaker Lockout 44-957 Insulated T®-Stripper Wire Stripper	Slotted 3/8 in. x 8 in. Insulated Screwdriver	35-9168
Phillips #3 x 6 in. Insulated Screwdriver 35-9196 3/16 in. x 5 in. Insulated Nut Driver 35-9290 1/4 in. x 5 in. Insulated Nut Driver 35-9291 5/16 in. x 5 in. Insulated Nut Driver 35-9292 3/8 in. x 5 in. Insulated Nut Driver 35-9294 7/16 in. x 5 in. Insulated Nut Driver 35-9295 1/2 in. x 5 in. Insulated Nut Driver 35-9296 Insulated Skinning Knife 35-9340 10 in. Insulated Tongue & Groove Pliers 35-9430 Safety Lockout Padlock, Red 44-916 Circuit Breaker Lockout 44-956 Circuit Breaker Lockout 44-957 Insulated T®-Stripper Wire Stripper	Phillips #1 x 3-3/16 in. Insulated Screwdriver	35-9193
3/16 in. x 5 in. Insulated Nut Driver 1/4 in. x 5 in. Insulated Nut Driver 35-9291 5/16 in. x 5 in. Insulated Nut Driver 35-9292 3/8 in. x 5 in. Insulated Nut Driver 35-9294 7/16 in. x 5 in. Insulated Nut Driver 35-9295 1/2 in. x 5 in. Insulated Nut Driver 35-9296 Insulated Skinning Knife 35-9340 10 in. Insulated Tongue & Groove Pliers 35-9430 Safety Lockout Padlock, Red 44-916 Circuit Breaker Lockout 44-956 Circuit Breaker Lockout Insulated T®-Stripper Wire Stripper 45-9120	Phillips #2 x 4 in. Insulated Screwdriver	35-9194
1/4 in. x 5 in. Insulated Nut Driver 5/16 in. x 5 in. Insulated Nut Driver 35-9292 3/8 in. x 5 in. Insulated Nut Driver 35-9294 7/16 in. x 5 in. Insulated Nut Driver 35-9295 1/2 in. x 5 in. Insulated Nut Driver 35-9296 Insulated Skinning Knife 35-9340 10 in. Insulated Tongue & Groove Pliers 35-9430 Safety Lockout Padlock, Red 44-916 Circuit Breaker Lockout 44-956 Circuit Breaker Lockout Insulated T®-Stripper Wire Stripper 45-9120	Phillips #3 x 6 in. Insulated Screwdriver	35-9196
5/16 in. x 5 in. Insulated Nut Driver 35-9292 3/8 in. x 5 in. Insulated Nut Driver 7/16 in. x 5 in. Insulated Nut Driver 35-9295 1/2 in. x 5 in. Insulated Nut Driver 35-9296 Insulated Skinning Knife 35-9340 10 in. Insulated Tongue & Groove Pliers 35-9430 Safety Lockout Padlock, Red 44-916 Circuit Breaker Lockout 44-956 Circuit Breaker Lockout 44-957 Insulated T®-Stripper Wire Stripper 45-9120	3/16 in. x 5 in. Insulated Nut Driver	35-9290
3/8 in. x 5 in. Insulated Nut Driver 7/16 in. x 5 in. Insulated Nut Driver 35-9295 1/2 in. x 5 in. Insulated Nut Driver 35-9296 Insulated Skinning Knife 35-9340 10 in. Insulated Tongue & Groove Pliers 35-9430 Safety Lockout Padlock, Red 44-916 Circuit Breaker Lockout 44-956 Circuit Breaker Lockout 44-957 Insulated T®-Stripper Wire Stripper	1/4 in. x 5 in. Insulated Nut Driver	35-9291
7/16 in. x 5 in. Insulated Nut Driver 1/2 in. x 5 in. Insulated Nut Driver 35-9296 Insulated Skinning Knife 35-9340 10 in. Insulated Tongue & Groove Pliers 35-9430 Safety Lockout Padlock, Red 44-916 Circuit Breaker Lockout 44-956 Circuit Breaker Lockout 44-957 Insulated T®-Stripper Wire Stripper 45-9120	5/16 in. x 5 in. Insulated Nut Driver	35-9292
1/2 in. x 5 in. Insulated Nut Driver 1/2 in. x 5 in. Insulated Nut Driver 10 in. Insulated Tongue & Groove Pliers 35-9430 Safety Lockout Padlock, Red 44-916 Circuit Breaker Lockout 44-956 Circuit Breaker Lockout 44-957 Insulated T®-Stripper Wire Stripper 45-9120	3/8 in. x 5 in. Insulated Nut Driver	35-9294
Insulated Skinning Knife 10 in. Insulated Tongue & Groove Pliers Safety Lockout Padlock, Red 44-916 Circuit Breaker Lockout 44-956 Circuit Breaker Lockout 44-957 Insulated T®-Stripper Wire Stripper 45-9120	7/16 in. x 5 in. Insulated Nut Driver	35-9295
10 in. Insulated Tongue & Groove Pliers Safety Lockout Padlock, Red Circuit Breaker Lockout 44-956 Circuit Breaker Lockout 44-957 Insulated T®-Stripper Wire Stripper 45-9120	1/2 in. x 5 in. Insulated Nut Driver	35-9296
Safety Lockout Padlock, Red Circuit Breaker Lockout Circuit Breaker Lockout 44-956 Circuit Breaker Lockout 44-957 Insulated T®-Stripper Wire Stripper 45-9120	Insulated Skinning Knife	35-9340
Circuit Breaker Lockout 44-956 Circuit Breaker Lockout 44-957 Insulated T®-Stripper Wire Stripper 45-9120	10 in. Insulated Tongue & Groove Pliers	35-9430
Circuit Breaker Lockout 44-957 Insulated T®-Stripper Wire Stripper 45-9120	Safety Lockout Padlock, Red	44-916
Insulated T®-Stripper Wire Stripper 45-9120	Circuit Breaker Lockout	44-956
	Circuit Breaker Lockout	44-957
VoltSensor™ Non-Contact Voltage Tester 61-063	Insulated T®-Stripper Wire Stripper	45-9120
	VoltSensor™ Non-Contact Voltage Tester	61-063

9-Piece Insulated Screwdriver Set



Description	Part No.
9-Piece Insulated Screwdriver Set (Case included)	35-9103
Set Includes:	
Slotted 7/32 in. x 5 in. Insulated Screwdriver	35-9147
Slotted 1/4 in. x 4 in. Insulated Screwdriver	35-9150
Slotted 1/4 in. x 6 in. Insulated Screwdriver	35-9151
Slotted 5/16 in. x 7 in. Insulated Screwdriver	35-9166
Slotted 3/8 in. x 8 in. Insulated Screwdriver	35-9168
Phillips #1 x 3-3/16 in. Insulated Screwdriver	35-9193
Phillips #2 x 4 in. Insulated Screwdriver	35-9194
Phillips #3 x 6 in. Insulated Screwdriver	35-9196
Square #0 x 4 in. Insulated Screwdriver	35-9690

2-Piece Insulated Screwdriver Set



Description	Part No.
2-Piece Insulated Screwdriver Set	35-9305
Set Includes:	
Slotted 1/4 in. x 4 in. Insulated Screwdriver	35-9150
Phillips #2 x 4 in. Insulated Screwdriver	35-9194

7-Piece Insulated Nut Driver Set



Description	Part No.
7-Piece Insulated Nut Driver Set (Case included)	35-9104
Set Includes:	
3/16 in. x 5 in. Insulated Nut Driver	35-9290
1/4 in. x 5 in. Insulated Nut Driver	35-9291
5/16 in. x 5 in. Insulated Nut Driver	35-9292
3/8 in. x 5 in. Insulated Nut Driver	35-9294
7/16 in. x 5 in. Insulated Nut Driver	35-9295
1/2 in. x 5 in. Insulated Nut Driver	35-9296
9/16 in. x 5 in. Insulated Nut Driver	35-9297

Insulated Tool Kit Cases



Description	Part No.
Soft Zipper Case for Basic Kit (35-9100 & 35-9108)	35-9350
Soft Zipper Case for Standard Kit (35-9101)	35-9351
Soft Zipper Case for Journeyman Kit (35-9102)	35-9352

Insulated Screwdrivers



Description	Blade Length	Part No.
7/32 in. Slotted Insulated Screwdriver	5 in.	35-9147
3/32 in. Slotted Insulated Screwdriver	3 in.	35-9148
1/8 in. Slotted Insulated Screwdriver	4 in.	35-9149
1/4 in. Slotted Insulated Screwdriver	4 in.	35-9150
1/4 in. Slotted Insulated Screwdriver	6 in.	35-9151
5/16 in. Slotted Insulated Screwdriver	7 in.	35-9166
3/8 in. Slotted Insulated Screwdriver	8 in.	35-9168
#0 Phillips Insulated Screwdriver	2-3/8 in.	35-9169
#1 Phillips Insulated Screwdriver	3-1/8 in.	35-9170
#3 Phillips Insulated Screwdriver	6 in.	35-9172
#1 Phillips Insulated Screwdriver	3-3/16 in.	35-9193
#2 Phillips Insulated Screwdriver	4 in.	35-9194
#3 Phillips Insulated Screwdriver	6 in.	35-9196
#0 Square Insulated Screwdriver	4 in.	35-9690
#1 Square Insulated Screwdriver	6 in.	35-9691
#2 Square Insulated Screwdriver	6 in.	35-9693
#3 Square Insulated Screwdriver	6 in.	35-9695

Insulated Nut Drivers



Description	Blade Length	Part No.
3/16 in. Insulated Nut Driver	5 in.	35-9290
1/4 in. Insulated Nut Driver		35-9291
5/16 in. Insulated Nut Driver		35-9292
11/32 in. Insulated Nut Driver		35-9293
3/8 in. Insulated Nut Driver		35-9294
7/16 in. Insulated Nut Driver		35-9295
1/2 in. Insulated Nut Driver		35-9296
9/16 in. Insulated Nut Driver		35-9297

Insulated Multi-Crimp Tool



Description	Part No.
9-3/4 in. Insulated Multi-Crimp Tool	30-9429

Insulated Linesman Pliers



Description	Part No.
9-1/4 in. Insulated Linesman Pliers	30-9430

Insulated Diagonal-Cutting Pliers



Description	Part No.
8 in. Insulated Diagonal Cutting Pliers w/angled head	35-9029

Insulated Long-Nose Pliers



Description	Part No.
8-1/2 in. Insulated Long-Nose Pliers	35-9038

Insulated Cable Cutter



Description	Part No.
9-1/2 in. Insulated Cable Cutter	35-9052

Insulated Tongue and Groove Pliers



Description		Part No.
10 in. Insulated To	ngue and Groove Pliers	35-9420

Insulated T®-5 Wire Stripper



Description	Part No.
Insulated T®-Stripper Wire Stripper	45-9120

10-18 AWG solid or 12-20 AWG stranded.

Insulated Skinning Knife



Description	Part No.
Insulated Electrician's Skinning Knife	35-9340

Safe-T-Grip® Fuse Pullers



34-003

- Maximum efficiency and convenience for removing or replacing cartridge-type fuses
- Three sizes handle fuses ranging from 0 to 600A
- Fully insulated, high-dielectric, glass-filled polypropylene construction
- Notched handles provide safe, no-slip grip
- Clearly marked amperage ranges
- **Exceed MIL specifications**

Description	Overall Length	Part No.
Small Puller for 250V, 9/32 in. to 1/2 in. dia. fuses	5 in.	34-001
Medium Puller for 0 to 100A/250V & 600V, 1/2 in. to 1 in. dia. fuses	7-1/2 in.	34-002
Large Puller for 31 to 600A/250V & 31 to 400A/600V, 3/4 in. to 2-1/2 in. dia. fuses	11-3/4 in.	34-003

Fuse Puller & Test Light



- Convenient pocket-sized tool safely pulls cartridge fuses and checks electrical connections
- Test prods fit parallel and tandem slot receptacles
- Built-in resistors limit current flow to eliminate false indication
- For 9/16 in. to 1 in. fuses, 100A/250V and 60A/600V
- Test capacity from 100V to 600V AC/DC

Description	Part No.
Fuse Puller & Test Light	34-012

Fuse Pullers



- 34-016
- Molded of tough, high-impact nylon for strength
- No-slip gripping surface and protective finger stops for added safety

Description	Overall Length	Part No.
Small Puller for 0 to 30A/250V, 1/4 in. to 1/2 in. dia. fuses	5 in.	34-015
Large Puller for 0 to 100A/250V & 0 to 60A/600V, 9/16 in. to 1 in. dia. fuses	7-1/4 in.	34-016

Fuse Puller Cross Reference

Fuse Size	Current	Voltage	IDEAL	Bussmann	Littlefuse
			IDEAL	Dussilidilii	Littleiuse
Ferrule Type	Amps	Volt a.c.			
1/4 x 1-1/4	1/500 to 30	250	34-015	FP-A3	97023
13/32 x 1-1/2	1/10 to 30	250	34-001, 34-015	FP-2	MFP
9/16 x 2	1/10 to 30	250	34-002, 34-012, 34-016	FP-2	LPFP
13/16 x 3	35 to 60	250	34-016, 34-003, 34-012	FP-2	LPFP
Knife Blade	Amps	Volt a.c.			
1 x 5-7/8	70 to 100	250	34-012, 34-002, 34-016	FP-3	LPFP
1-1/2 x 7-1/8	110 to 200	250	34-003	FP-3	LPFP
2 x 8-5/8	225 to 400	250	34-003	FP-4	GFP
2-1/2 x 10-3/8	450 to 600	250	34-003	FP-4	GFP
Ferrule Type	Amps	Volt a.c.			
13/32 x 1-1/2	1/10 to 30	600	34-001, 34-012, 34-016	FP-2	MFP
3/4 x 5	1/10 to 30	600	34-002	FP-2	MFP
1 x 5-1/2	35 to 60	600	34-012, 34-002, 34-016	FP-3	MFP
Knife Blade	Amps	Volt a.c.			
1-1/4 x 7-1/8	70 to 100	600	34-003	FP-3	LPFP
1-3/4 x 9-5/8	110 to 200	600	34-003	FP-4	LPFP
2-1/2 x 11-5/8	225 to 400	600	34-003	FP-4	LPFP
3 x 13-3/8	450 to 600	600	NONE	NONE	NONE

Please visit our website at idealind.com for more safety products from IDEAL!

- **Insulated Tools** Lockout/Tagout
- Streetlight Kits
- **Testers**
- **Fish Tapes**
- **Safety Tapes & Signs**

TOOL CARRIERS / POUCHES / BACKPACKS

Premium Leather Line

Top of the line tool carriers are handcrafted from top-grain cowhide and slow tanned in natural oils to enhance the leather's inherent strength. Each bag is hand waxed for lasting protection against stains and moisture and is warranted for life. Available in natural or black leather.

 Rust-resistant, plated-steel hardware and heavy, lock-stitched nylon thread for long-term durability





Standard Leather Line

Leather that stands up to the job like no other material, these tool carriers are constructed of top-grain, natural cowhide and tanned for added strength and durability. Color ages to a deep tan over the years.

 Rust-resistant, plated-steel hardware and heavy, lock-stitched nylon thread for long-term durability

Fabric Line

Durable, functionable, portable line of fabric carriers provide the perfect tool storage.



Tuff-Tote® Ultimate Tool Carriers



- 8 in. square tool carrier features 2 divided inside compartments with 6 screwdriver loops, 1 large center compartment, 4 outside pockets and 8 outside tool loops for easy identification and access
- Oil and moisture-resistant reinforced bottom

Description	Part No.
Premium Leather Carrier w/shoulder strap	35-975
Premium Black Leather Carrier w/shoulder strap	35-975BLK
Standard Leather Carrier w/shoulder strap	35-325

Tuff-Tote® Tool Carrier

- Convenient 6 in. x 8 in. tool carrier with4 center screwdriver slots, 2 interior compartments, 2 divided outside pockets and 4 outside tool loops
- Unique stand-alone design keeps tool standing upright for easy identification and access
- Oil and moisture-resistant reinforced bottom



Description	Part No.
Premium Leather Carrier w/shoulder strap	35-969

Ergo Tool Pouch

- Compact ergonomic design for versatility and superior comfort
- · Large tool holding capacity
- Rust-resistant, plated-steel hardware and heavy, lock-stitched nylon thread for long-term durability



Description	Part No.
Standard Natural Leather Ergo Tool Pouch	35-312

Hip Holster Tool Pouch

- · Compact, six-pocket holster
- · Heavy-duty leather construction
- · Riveted corners for long life
- · Tape measure holder



Description	Part No.
Premium Hip Holster Tool Pouch	35-784BLK

Tuff-Tote® Tool Pouches

35-950 35-950BLK 35-311

- 8-pocket, belt-mounted pouch features large Utility compartment with 2 dividers and 6 screwdriver loops,
 7 outside pockets, release snaps and tape chain and removable shoulder strap
- Tunnel belt loop accommodates belts up to 2-1/4 in. wide

Description	Part No.
Premium Leather Pouch w/shoulder strap	35-950
Premium Black Pouch w/shoulder strap	35-950BLK
Standard Leather Pouch w/shoulder strap	35-311

Electrician's Tool Pouch

- · Seven-pocket tool pouch
- · Full length belt tunnel
- · Chain tape lanvard

· Chair tape lanyard	
Description	Part No.
Standard Leather Electrician's Tool	Pouch 10-466
	'

Shoulder Straps







35-965

35-338

35-965BLK

- Nickel-plated hardware for long-term durability and corrosion resistance
- · 2-in. wide shoulder pad for added comfort

Description	Part No.
Premium Leather Strap	35-965
Standard Leather Strap	35-338
Premium Black Leather Strap	35-965BLK

Belts







35-995

35-316

10-398

 Nickel-plated hardware for long-term durability and corrosion resistance

Description	Part No.
Leather Belt - 2 in. x 48 in.	35-995
Leather Belt - 1-3/4 in. x 46 in.	35-316
Web Belt	10-398

Dual Compartment Tool Backpack

IDEAL® Dual Compartment Tool Backpack provides a solution for any tradesman needing to transport tools while still having their hands free. The versatile design includes two compartments that can open to a lay-flat position for flexible use on the floor, bench or hoist position.



Constructed from durable fabric with heavy-duty YKK® zippers that can survive the heavy loads of everyday use. The reinforced comfort back and lumbar padding, with airflow design, provides maximum comfort and includes adjustable padded shoulder and chest straps. The heavy-duty abrasion resistant reinforced base with four ABS foot pads are designed to protect your tools from the elements without discomfort to your lower back.

Features

- · 26 interior pockets and 11 webbed loops
- · Tall tool carrier on side panel for tools up to 18 in.
- · Adjustable shoulder and chest straps
- Double slotted sleeve can accommodate fish tapes or extension cords
- · Nickel plated tape measure clip
- · Mesh water bottle carrier
- · D-ring attachments for tethering
- Water-resistant pouch

Description	Part No.
Dual Compartment Tool Backpack	35-409

Specifications

Construction Details	
Dimensions	13.5 in. L x 9.5 in. W x 18 in. H
Weight	5.62 lbs.
Main Material	Durable and Lightweight 1200D Ballistic Polyester
Front Double Slotted Sleeve Material	Durable 1680D Ballistic Polyester
Laptop Sleeve	Fleece lined, padded and compatible with 15" laptops
Airflow back and lumbar panel	Reinforced comfort padding
Four molded feet	Abrasion resistant
Ratings	50 lb. maximum hoist capability



Interior

- 21-tiered pocket design to hold a wide selection of tools from screwdrivers, pliers and wrenches to meters
- · Four angled slots to hold hex keys
- Water-resistant pouch can hold bits, small wrenches and as zipper access from both ends.
- 11 webbed tool holders to hold large long tools, marking pens or voltage testers

YKK® is a registered trademark of the YKK Corporation, No. 1, Kanada Izumi-Cho Chiyoda-Ku, Tokyo, Japan



Large Mouth Bags

- · Top opens completely for easy access to large tools — reinforced to hold itself open
- Measures 9 in. wide x 12 in. deep with outside and inside pockets for convenient hand tool storage
- Rugged zipper closure helps prevent tool loss
- Removable shoulder strap
- Durable multi-ply construction

Description	Part No.
Large Mouth Bag - 13 in. long	35-410
Large Mouth Bag - 16 in. long	35-418
Large Mouth Bag - 18 in. long	35-427

Journeyman Electrician's Tote™ Tool Bag

- Compact and versatile design
- Carry as a hand-tote, shouldertote or tool-belt
- Includes removable shoulder strap and belt
- Durable multi-ply construction



Description	Part No.
Journeyman Electrician's Tote™ Tool Bag	35-462

Master Electrician's Tote™

- Spacious and durable design
- Organizes and displays tools for fast access
- Includes removable shoulder strap
- Durable multi-ply construction

Description	Part No.
Master Electrician's Tote™	35-441

Mechanic's Tool Bag

- Eight narrow inside pockets designed to hold small tools
- Two side pockets with closeable snaps for large tools or loose items
- Double inside liner and rigid bottom prevent bag distortion
- Durable nylon polyester construction

Description	Part No.
Mechanic's Tool Bag	35-535

Zipper Pouches

- Durable, water resistant material
- Heavy duty, self-repairing zippers



Description	Part No.
10-1/2 in. Zipper Pouch	35-402
12-1/2 in. Zipper Pouch	35-403

Divider Pouch™ Small Parts Bag

- Designed to provide perfect small parts storage – keeps parts separate and organized
- Six internally divided 5-in. deep pockets
- Convenient drawstring protects contents from spillage
- Convenient handle loop
- Sized to stack in 5-gallon buckets
- Durable nylon polyester construction



Supplies Apron

- Two pockets for connectors and fasteners, each 8 in. x 15 in.
- Natural duck construction

Description	Part No.
Supplies Apron	35-474

Pocket Pal® Tool Holster

- Protects pocket from sharp tools
- Doubles tool carrying capacity
- Can be worn in pocket or on belt

		the last section of
Desc	ription	Part No.
Pock	et Pal® Tool Holster	35-505



Note: Wire

connectors sold

separately.

TOOL KITS

17-Piece Master Electrician's Kit w/Tool Carrier



Description	Part No.
17-Piece Master Electrician's Kit	35-809
Kit Includes:	
9-1/2 in. Linesman Plier w/New England nose and crimping die	30-3430
8-1/2 in. Long-Nose Pliers w/cutter	35-3038
9-1/2 in. Tongue & Groove Pliers	35-3420
9-1/2 in. Cable Cutter	35-3052
Kinetic™ Reflex™ T®-Stripper Wire Stripper	45-915
7-in-1 Twist-a-Nut™ Screwdriver	35-908
Phillips #1 x 3 in. Cushioned-Grip Screwdriver	35-193
Phillips #2 x 4 in. Cushioned-Grip Screwdriver	35-194
3/16 in. x 6 in. Cushioned-Grip Slotted Cabinet Tip Screwdriver	35-186
1/4 in. x 4 in. Cushioned-Grip Slotted round shank Screwdriver	35-164
3/16 in. x 6 in. Cushioned-Grip Screw holding Slotted Screwdriver	35-406
Hawkbill Knife	35-286
Electrician's Hammer	35-210
25' Auto-Lock Tape Measure	35-242
Torpedo Level	35-205
Vol-Con® Voltage/Continuity Tester	61-076
Tuff-Tote® Premium Leather Tool Carrier	35-975

16-Piece Master Electrician's Kit w/Pouch



Description	Part No.
16-Piece Master Electrician's Kit	35-800
Kit Includes:	
9-1/4 in. Linesman Plier w/fish tape puller	30-430
8 in. Diagonal-Cutting Pliers w/angled head	35-029
8-1/2 in. Long-Nose Plier	35-038
9-1/2 in. Cable Cutter	35-052
Twist-a-Nut™ Conduit Deburring Tool	35-083
1/4 in. x 4 in. Cushioned-Grip Slotted round shank Screwdriver	35-164
#2 x 4 in. Cushioned-Grip Phillips Screwdriver	35-194
Electrician's Hammer	35-210
25' Auto-Lock Tape Measure	35-242
Electrician's Knife	35-285
Standard Leather Pouch w/shoulder strap	35-311
10-1/2 in. Tongue and Groove Plier	35-430
7-in-1 Twist-a-Nut™ Screwdriver	35-908
T®-Stripper Wire Stripper	45-120
Vol-Con® Voltage/Continuity Tester	61-076
Replacement Battery	61-201

16-Piece Master Electrician's Kit w/Large Mouth Bag



Description	Part No.
16-Piece Master Electrician's Kit	35-808
Kit Includes:	
Combo Crimp/Strip Tool	30-428
Pocket Fuse Puller	34-002
9-1/2 in. Linesman Plier w/New England nose, crimping die and fish tape puller	30-430
8-1/2 in. Long-Nose Pliers w/cutter	35-038
9-1/2 in. Cable Cutter	35-052
1/4 in. x 4 in. Cushioned-Grip Slotted round shank Screwdriver	35-164
3/16 in. x 6 in. Cushioned-Grip Slotted Cabinet Tip Screwdriver	35-186
#1 x 3 in. Cushioned-Grip Phillips Screwdriver	35-193
#2 x 4 in. Cushioned-Grip Phillips Screwdriver	35-194
Electrician's Hammer	35-210
25' Auto-Lock Tape Measure	35-242
Ergonomic Hacksaw	35-261
Hawkbill Knife	35-286
10-1/2 in. Tongue and Groove Plier	35-430
Reflex™ T®-5 T®-Stripper Wire Stripper	45-415
18 in. Large Mouth Bag	35-427

13-Piece Journeyman Electrician's Kit w/Electrician's Tote



Description	Part No.
13-Piece Journeyman Electrician's Kit	35-790
Kit Includes:	
9-1/2 in. Linesman Plier w/New England nose and crimping die	30-3430
Fuse Puller, Medium	34-002
8-1/2 in. Long-Nose Pliers w/cutter	35-3038
1/4 in. x 4 in. Cushioned-Grip Slotted round shank Screwdriver	35-164
3/16 in. x 4 in. Cushioned-Grip Slotted Cabinet Tip Screwdriver	35-186
#1 x 3 in. Cushioned-Grip Phillips Screwdriver	35-193
#2 x 4 in. Cushioned-Grip Phillips Screwdriver	35-194
Torpedo Level	35-205
25' Auto-Lock Tape Measure	35-242
Hawkbill Knife	35-286
9-1/2 in. Tongue & Groove Plier	35-3420
Kinetic™ Reflex™ T®-Stripper Wire Stripper	45-915
Journeyman Electrician's Tote®	35-462

12-Piece Journeyman Electrician's Kit w/Tool Pouch



Description	Part No.
12-Piece Journeyman Electrician's Kit	35-5805
Kit Includes:	
Web Belt	10-398
Electrician's Leather Tool Pouch	10-466
9-1/2 in. Linesman Plier w/New England nose, crimping die and fish tape puller	30-430
8 in. Diagonal-Cutting Pliers	35-028
8-1/2 in. Long-Nose Plier	35-038
1/4 in. x 4 in. Cushioned-Grip Slotted round shank Screwdriver	35-164
3/16 in. x 4 in. Cushioned-Grip Slotted Cabinet Tip Screwdriver	35-184
#1 x 3 in. Cushioned-Grip Phillips Screwdriver	35-193
#2 x 4 in. Cushioned-Grip Phillips Screwdriver	35-194
25' Auto-Lock Tape Measure	35-242
8-1/2 in. Tongue & Groove Pliers	35-420
Premium T [®] -5 T [®] -Stripper Wire Stripper	45-120

6-Piece Electrician's Holster Kit

Description	Part No.
6-Piece Electrician's Holster Kit	35-794
Kit Includes:	
9-1/4 in. Linesman Plier w/fish tape puller	30-430
25' Auto-Lock Tape Measure	35-242
Utility Knife	35-300
Pocket Pal® Tool Holster	35-505
7-in-1 Twist-a-Nut™ Screwdriver	35-908
T®-5 T®-Stripper Wire Stripper	45-120

5-Piece Electrician's Holster Kit



Description	Part No.
5-Piece Electrician's Holster Kit	35-5792
Kit Includes:	
9-1/4 in. Linesman Plier w/fish tape puller	30-430
3/16 in. x 6 in. Cushioned-Grip Slotted Cabinet Tip Screwdriver	35-186
#2 x 4 in. Cushioned-Grip Phillips Screwdriver	35-194
Pocket Pal® Tool Holster	35-505
Premium T®-5 T®-Stripper Wire Stripper	45-120

4-Piece Electrician's Holster Kit

Description	Part No.
4-Piece Electrician's Holster Kit	35-5799
Kit Includes:	
9-1/2 in. Linesman Plier w/New England nose and crimping die	30-430
Pocket Pal® Tool Holster	35-505
11-in-1 Screwdriver/Nutdriver	35-910
Premium T®-5 T®-Stripper Wire Stripper	45-120



CUTTING SUPPLIES

Understanding an industry takes years of dedication and focus. At IDEAL Electrical, we are committed to delivering high quality, innovative products to professional electricians. Our power tool accessories are specifically designed with the professional electrician in mind. Experience less down time on the work site and get a superior cost-per-cut advantage with IDEAL.

Carbide-Tipped Hole Cutters

Sheet Metal Stainless Steel Aluminum Brass



Step Drills

Brass Carbon Steel Cast Iron Stainless Steel









Bi-Metal Hole Saws

Metal **Plastics** Wood





Multi-Purpose Hole Saws

Composite Enclosures Ceiling Tile Cement Board Wood



Auger Bits





Wood



Reciprocating Blades

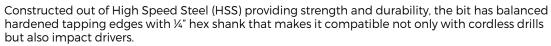
Metal Wood Ceramic Tile Steel Drywall Fiberglass General Purpose





Drill Taps with SmoothStart™ Tip

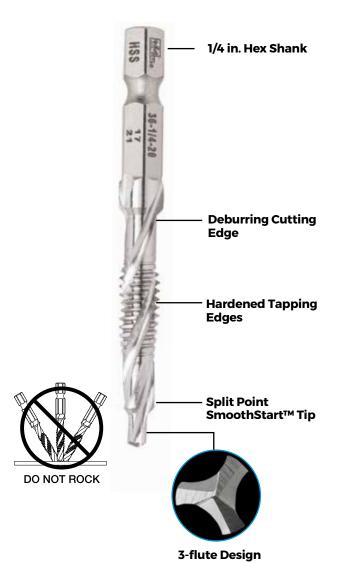
The IDEAL® line of combination drill taps combines the tasks of drilling, tapping and deburring all into one. Providing an economical way to save you valuable time on the project.





Similar to the IDEAL® TKO™ Carbide Tipped Hole Cutters we have incorporated the SmoothStart™ tip which minimizes thread damage and extends the life of the bits.

While traditional drill taps have single or double flute design, IDEAL® Drill taps come with 3-flute design providing faster chip removal and minimizes binding while drilling. The deburring cutting edge provides a clean hole and prevents over drilling. Rated for drilling and tapping up to 10 gauge mild steel, aluminum, copper, brass and even plastic. When it comes to quality, performance and durability, IDEAL® is the professional's choice for drill tap needs.





36-6/32 36-8/32 36-10/24 36-10/32 36-12/24 36-1/4-20

Description	Part No.
6-32 NC Drill Tap/Bit	36-6/32
8-32 NC Drill Tap/Bit	36-8/32
10-24 NC Drill Tap/Bit	36-10/24
12-24 NC Drill Tap/Bit	36-12/24
1/4-20 NC Drill Tap/Bit	36-1/4-20

Hex key size is 3mm.



Description	Part No.	
8-Piece Drill Bit Kit (Case include	ed)	36-600
Kit Includes:		Part No.
6-32 NC Drill Tap/Bit	1	36-6/32
8-32 NC Drill Tap/Bit	2	36-8/32
10-24 NC Drill Tap/Bit	1	36-10/24
12-24 NC Drill Tap/Bit	1	36-12/24
1/4-20 NC Drill Tap/Bit	2	36-1/4-20

Carbide-Tipped Hole Cutters

TKO™ Hole Cutters offer the most efficient and clean cutter replacement for traditional knockouts, by making smooth holes in a fraction of the time at a fraction of the cost. Specifically designed to cut sheet metal, TKO cutters will even cut **stainless steel** with fine grained, carbide tips. The innovative design includes the exclusive SmoothStart™ replaceable pilot drill, which guides the cutter to the surface, avoiding cutter damage and providing smoother holes. An integral overdrill flange prevents cutter penetration beyond the sheet metal. When it comes to quality, performance and durability, IDEAL is the professional's choice for carbide tipped hole cutters.

Hole Size	Conduit & Pipe Size	Part No.
3/4 in. (19mm)	_	36-300
7/8 in. (22mm)	1/2 in. (22mm) - push button	36-301
1 in. (25mm)	_	36-302
1-1/8 in. (29mm)	3/4 in. (19mm)	36-303
1-1/4 in. (32mm)	_	36-304
1-3/8 in. (35mm)	1 in. (25mm)	36-305
1-7/32 in. (30mm)	1-7/32 in. (30mm) - push button	36-313
1-7/16 in. (37mm)	_	36-306
1-1/2 in. (38mm)	_	36-307
1-3/4 in. (44mm)	1-1/4 in. (32mm)	36-308
2 in. (51mm)	1-1/2 in. (38mm)	36-309
2-1/2 in. (64mm)	2 in. (50mm)	36-310
2-7/8 in. (73mm)	2-1/2 in. (64mm)	36-315
3-1/2 in. (89mm)	3 in. (76mm)	36-316
4 in. (102mm)	3-1/2 in. (89mm)	36-317
4-1/2 in. (114mm)	4 in. (102mm)	36-318

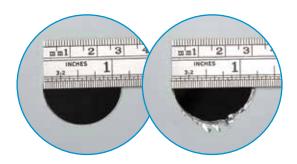
3/8 in. Shank on all hole cutters. Max. material thickness is 1/8 in.

SmoothStart[™] Replacement Pilot Drill 36-312

· Guides cutter to surface providing smoother holes and cutter damage

Fits Hole Saws:	Diameter	Drill Depth	Overall Length	Part No.
3/4 in. to 3-1/2 in.	1/4 in. (6mm)	3/4 in. (19mm)	2 in. (51mm)	36-312
4 in. and 4-1/2 in.	5/16 in. (8mm)	3/4 in. (19mm)	2-3/8 in. (60mm)	36-369*

Drilling depth: 3/16 in. (5mm); Effective length: 1/2 in. (12mm) *For use with 36-317 and 36-318.



IDEAL TKO™

Competitor

IDEAL provides smooth, precise holes (holes cut with 1-1/8 in. cutters)

4-Piece TKO™ Carbide-Tipped **Hole Cutter Kit**

Description		Part No.
4-Piece Carbide Hole Cutter Kit	000	36-311
Kit Includes:		Part No.
7/8 In. Hole Cutter	-	36-301
1-1/8 in. Hole Cutter	1 1 1	36-303
1-3/8 in. Hole Cutter		36-305
SmoothStart™ Pilot Bit		36-312

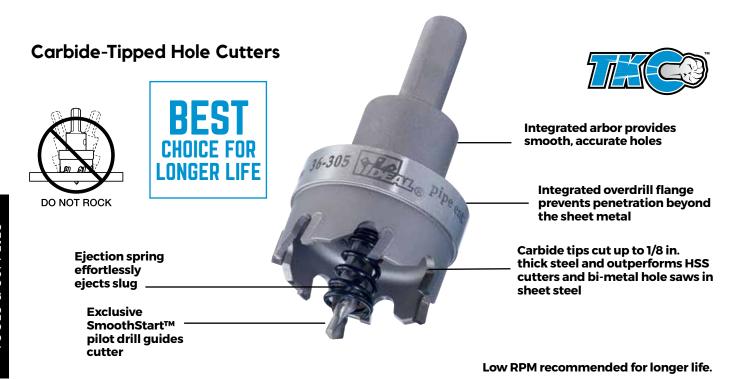
Convenient carrying case included. Hex key size is 3mm.

8-Piece TKO™ Carbide-Tipped Hole Cutter Master Electrician's Kit

Description	Part No.
8-Piece Carbide Hole Cutter Kit	36-314
Kit Includes:	Part No.
7/8 In. Hole Cutter	36-301
1-1/8 in. Hole Cutter	36-303
1-3/8 in. Hole Cutter	36-305
1-3/4 in. Hole Cutter	36-308
2 in. Hole Cutter	36-309
2-1/2 in. Hole Cutter	36-310
SmoothStart™ Pilot Bit	36-312

Convenient carrying case included. Hex key size is 3mm.





See how IDEAL TKO™ can save time...

Total time using the IDEAL TKO™ 30 Seconds





Total time using the competitors' knockout tool More than 6 Minutes









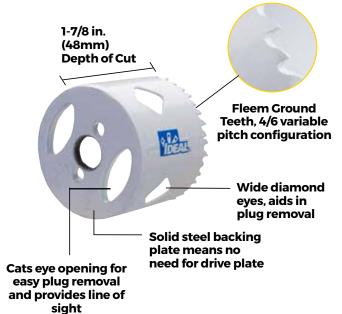


Bi-Metal Hole Saws



- Constructed from M42 high speed steel with 8% premium cobalt content, resulting in high-strength, greater wear resistance and less prone to chipping
- Rigid solid steel back plate for clean true holes and longer tool life
- Unique fleem ground teeth design results in improved performance and efficient chip removal
- 4/6 variable pitch geometry cuts down on harmonic noise to minimize tooth strippage
- Featuring a 1-7/8 in. depth of cut, reducing cutting time with a single pass design
- Diamond sides provide quick plug removal, available on 7/8 in. to 6 in. hole saws
- Cats eye openings on solid back plate provide line of sight and aid in plug removal, available in 2 in. to 6 in. hole saws

	al Hole ameter	Pipe Tap Size		Pipe En Siz		Part
Inches	MM	Inches	ММ	Inches	ММ	No.
	ble with 1, -571, 7/16 i				3/8 in. I	lex
9/16	14					36-511
5/8	16					36-512
11/16	17					36-513
3/4	19	1/2	13	3/8	10	36-514
13/16	21					36-515
7/8	22	3/4	19	1/2	13	36-516
15/16	24					36-517
1	25					36-518
1-1/8	27	1	25	3/4	19	36-520
1-3/16	29					36-521
	ble with 7 Arbor 36-5		x Arbor	36-573, 3,	/8 in. Qu	iick
1-1/4	32					36-522
1-5/16	33					36-523
1-3/8	35			1	25	36-524
1-7/16	37					36-525
1-1/2	38	1-1/4	32			36-526
1-9/16	40					36-527
1-5/8	41					36-528
1-11/16	43					36-529
1-3/4	44	1-1/2	38	1-1/4	32	36-530
1-13/16	46					36-531
1-7/8	48					36-532
2	51			1-1/2	38	36-533
2-1/16	52					36-534



	al Hole ameter	Pipe Ta	p Size	Pipe En		Part
Inches	ММ	Inches	ММ	Inches	ММ	No.
2-1/8	54					36-535
2-1/4	57	2	51			36-536
2-5/16	59					36-537
2-3/8	60					36-538
2-1/2	64			2	51	36-539
2-9/16	65					36-540
2-5/8	67	2-1/2	64			36-541
2-3/4	70					36-542
2-7/8	73					36-543
3	73			2-1/2	64	36-544
3-1/8	79					36-545
3-1/4	83	3	76			36-546
3-3/8	86					36-547
3-1/2	89					36-548
3-5/8	92			3	76	36-549
3-3/4	95	3-1/2	89			36-550
3-7/8	98					36-551
4	102					36-552
4-1/8	104			3-1/2	89	36-553
4-1/4	108	4	102			36-554
4-3/8	111					36-555
4-1/2	114					36-556
4-3/4	121	4-1/2	114	4	102	36-557
5	127					36-558
5-1/2	140			5	127	36-559
5-3/4	146					36-560
6	152					36-561

Bi-Metal Hole Saw Kits







36-501 14-Piece Bi-Metal Hole Saw Kit



36-502 19-Piece Bi-Metal Hole Saw Kit

		Hole Saws Included in Kits																
Part No.		Hole Saws (in.)										Hole Saw Arbors			S			
	3/4	7/8	1	1-1/8	1-3/8	1-1/2				2-1/2		3-5/8	4-1/8	4-1/2	76-E77	76-E70	76-E72	36-577
	36-514	36-516	36-518	36-520	36-524	36-526	36-530	36-533	36-536	36-539	36-544	36-549	36-553	36-556	30-373	36-370	30-372	30-3//
36-500		•		•	•		•	•		•					•		•	
36-501		•		•	•		•	•		•	•	•	•	•	•	•	•	
36-502*	•	•	•	•	•	•	•	•	•	•	•	•	•	•			•	•

^{*}Includes two 3-1/4 in. x 1/4 in. Pilot Bits (36-576).

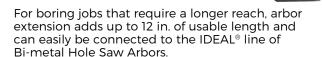
Bi-Metal Hole Saw Replacement Pilot Bits



With split point design, replacement pilot drill bits constructed out of high speed steel will start on initial contact for faster penetration and less walking for smooth, fast, cutting experience.

Description	Part No.
4-1/8 in. x 1/4 in Fits 36-570 Arbor	36-575
3-1/4 in. x 1/4 in Fits 36-571, 36-572, 36-573 and 36-574 Arbors	36-576

Arbor Extensions



Description	Part No.
12 in. Extension for 7/16 in. Arbors	36-577

Not for use with TKO $^{\text{\tiny{TM}}}$ Hole Cutters, Step Drills or Augers.

Bi-Metal Hole Saw Arbors



Durable, solid steel construction provides years of long life performance. Flat head set screw in body allows easy replacement of the pilot drill bit. Save valuable time through versatile design with the quick change arbor. Instantly change hole saws without tools and without having to remove the arbor from the chuck.

Description	Part No.
1/4 in. Round Arbor for 9/16 in 1-3/16 in.	36-570
3/8 in. Hex Arbor for 9/16 in 1-3/16 in.	36-571
7/16 in. Hex Arbor for 9/16 in 1-3/16 in.	36-572
7/16 in. Hex Arbor for 1-1/4 in 6 in.	36-573
3/8 in. Quick Change Arbor for 1-1/4 in 6 in.	36-574

Multi-Purpose Hole Saw

- Massive carbide tips designed to cut wood with nails, cement board, composite enclosures, ceiling tile and more!
- Faster than self-feed bits in wood and carbide grit in abrasive materials

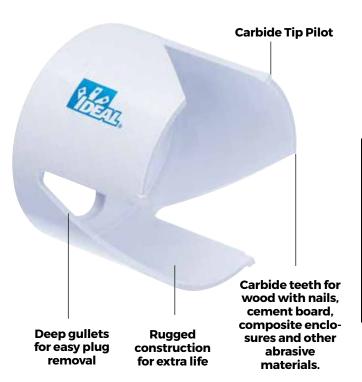
Hole Size (in.)	Application	Part No.
1-3/8		36-350
2-1/8	1-1/2" Pipe and lock installation	36-351
2-1/4	1-1/2" Pipe with couplings	36-352
2-9/16	2" Pipe	36-353
3	2" Pipe with couplings	36-354
3-3/8		36-355
3-5/8	3" Pipe	36-356
4		36-357
4-1/4	3" Pipe with couplings, 4" dryer vent	36-358
4-1/8		36-359
4-3/8	Capri®, Halo®, Marco, Mini Juno	36-360
4-5/8	4" pipe	36-361
5-3/8	Capri®, Juno®, Lightolier, Prescolite, Progress	36-362
6-1/4	6" Duct	36-363
6-3/8	Capri®, Halo®	36-364
6-5/8	Juno® and Progress	36-365
6-7/8	Capri®, Lightolier, Lithonia, Prescolite, Progress	36-366

Spade & Carbide Pilot Bits for Tri-Bore™ Hole Saws

Deep-cup design on Tri-Bore™ Hole Saws require the use of a longer pilot bit.



Description	Application	Part No.
Spade Bit	Wood boring	36-367*
Carbide Pilot	Abrasive material boring	36-368*



NOTE: Great for adding holes to most pre-cast polymer concrete underground utility vaults.



Adjustable Can Light Hole Saw

- · Cuts drywall and ceiling tile
- Self-sharpening carbide-coated cutting blades
- Includes two dust shields to minimize clean up



Dust shield included.

Description	Part No.
Adjustable Can Light Hole Saw - 10 sizes from 2-1/2 in. to 7 in. in increments of 3/8 in.	35-598
Adjustable Can Light Hole Saw - 13 sizes from 6-1/4 in. to 10-3/8 in. in increments of 3/8 in.	35-599

Screw Point Flexible Drill Bits, Type B

- Fast and aggressive, self-starting bit
- Ultra-sharp ground threads provide increased pulling power through obstructions
- Designed for easy to tough wood drilling

Description	Length	Shank (in.)	Part No.
3/8 in. Screw Point Flexible Bit			90-082
1/2 in. Screw Point Flexible Bit	F(:	3/16	90-085
9/16 in. Screw Point Flexible Bit	54 in.		90-088
3/4 in. Screw Point Flexible Bit		1/4	90-091

Serrated Combination Flexible Drill Bits, Type C

- · Fast and aggressive, self-starting bit
- Ultra-sharp ground threads provide increased pulling power through obstructions
- Designed for easy to tough wood and light metal drilling

Description	Length	Shank (in.)	Part No.	
1/4 in. Serrated Combination Flexible Bit	- 54 in.			90-063
3/8 in. Serrated Combination Flexible Bit			7.50	90-067
1/2 in. Serrated Combination Flexible Bit		3/16	90-070	
9/16 in. Serrated Combination Flexible Bit				90-073

Power Spade Bits

- The most innovative and fastest spade bit
- Smooth and effortless drilling
- Max. operating speed 1500 RPM
- Available in a variety of sizes
- Offers less vibration than other



Description	Part No.
1/2 in.	36-413
5/8 in.	36-415
3/4 in.	36-417
7/8 in.	36-419
1 in.	36-421
1-1/8 in.	36-422
1-1/4 in.	36-423
4-Piece Kit with Pouch (5/8 in., 3/4 in., 7/8 in., 1 in.)	36-432

Installer Bits

- Hole in fluted head for pulling wires through walls, ceiling and floors
- Flutes designed for quick chip removal no clogging or binding
- Premium quality, extra-hard 52-100 carbon bearing steel

Description	Length	Part No.
Installer Bit - 1/4 in.		35-870
Installer Bit - 3/8 in.	18 in.	35-871
Installer Bit - 1/2 in.		35-872

Flexible Bit Extensions

Connect to chuck end of shaft to increase the length of the bit

		98/	
Description	Length	Shank (in.)	Part No.
3/16 in. Flexible Bit Extension	36 in.	3/16	90-170
1/4 in. Flexible Bit Extension		1/4	90-173

Flexible Bit Placement Tool



Description	Part No.
Flexible Bit Placement Tool	90-176

Self Feed Wood Boring Bits

- Twin cutting edges for superior cutting speed and ultra clean holes
- Precision ground teeth provide clean and balanced cuts for maximum control with wider cutting surface
- Robust replaceable lead screw with burr-free threads that feed the bit through the wood at a consistent rate
- Precision machined shaft for bit concentricity to eliminate wobble and deliver a truer hole
- Black oxide coated, heat treated and hardened for added durability
- · Quick-change shank for fast, secure change out

Description	Diameter	Entrance Size for Pipe & EMT	Part No.
1 in. Self-Feed Wood Boring Bit	1 in.	1∕2 in.	36-250
1-1⁄8 in. Self-Feed Wood Boring Bit	1-1⁄8 in.	_	36-251
1-1⁄4 in. Self-Feed Wood Boring Bit	1-1⁄4 in.	3⁄4 in.	36-252
1-3⁄8 in. Self-Feed Wood Boring Bit	1-3⁄8 in.	1 in.	36-253
1-1⁄2 in. Self-Feed Wood Boring Bit	1-1⁄2 in.	_	36-254
1-3/4 in. Self-Feed Wood Boring Bit	1-3/4 in.	1-1/4 in.	36-255
2 in. Self-Feed Wood Boring Bit	2 in.	1-1⁄2 in.	36-256
2-1⁄8 in. Self-Feed Wood Boring Bit	2-1⁄8 in.	_	36-257
2-1/4 in. Self-Feed Wood Boring Bit	2-1⁄4 in.	_	36-258
2-916 in. Self-Feed Wood Boring Bit	2-916 in.	2 in.	36-259
3 in. Self-Feed Wood Boring Bit	3 in.	2-1⁄2 in.	36-260
3-58 in. Self-Feed Wood Boring Bit	3-5⁄8 in.	3 in.	36-261
4-58 in. Self-Feed Wood Boring Bit	4-5⁄8 in.	4 in.	36-262

Replacement Lead Screws

- · Keeps self-feed bits running fast and true
- Easily replaced with hex wrench providing extended drill life and optimum cost-per-hole value

Description	Qty.	Part No.
Small replacement lead screws, fits bit sizes: 1 in 2-9/16 in.	3/pack	36-271
Small replacement lead screws, fits bit sizes: 3 in 4-5/8 in.	3/pack	36-270

Extension Bars



- Fits into hard-to-reach areas
- Compatible with IDEAL® Auger Bits

Description	Part No.
5-1/2 in. Extension Bar (includes Allen wrench)	36-273
18 in. Extension Bar (includes Allen wrench)	35-819





Sharpening File



- · Keeps durable bits working like new
- High-grade sharpener hones dulled edges quickly and efficiently

Description	Part No.
Sharpening File	36-272

6-Piece BULZ-EYE[™] Self Feed Wood Boring Bit Kit

 For the professional needing to drill multiple hole sizes in any wood material



Description	Part No.
6-Piece BULZ-EYE™ Self-Feed Wood Boring Bit Kit	36-266
Kit Includes	Part No.
1 in. Bit	36-250
1-1/4 in. Bit	36-252
1-3/8 in. Bit	36-253
2 in. Bit	36-256
2-9/16 in. Bit	36-259
5-1/2 in. Extension Bar	36-273

Carrying case included.

9-Piece BULZ-EYE™ Self Feed Wood Boring Bit Kit

 For the professional needing to drill multiple hole sizes in any wood material



Description	Part No.
9-Piece BULZ-EYE™ Self-Feed Wood Boring Bit Kit	36-269
Kit Includes	Part No.
1 in. Bit	36-250
1-1/8 in. Bit	36-251
1-1/4 in. Bit	36-252
1-3/8 in. Bit	36-253
1-1/2 in. Bit	36-254
1-3/4 in. Bit	36-255
2-1/8 in. Bit	36-257
2-9/16 in. Bit	36-259
5-1/2 in. Extension Bar	36-273

Carrying case included.

Auger Bit Extension

- · Dual locking screws
- · Allen wrench included
- Compatible with Nailbiter[™] and RESI-MASTER[™] Ship Augers

Auger Bit Extensions, 18"; Six flats to fit drill chuck		Part No.
	Auger Bit Extension for 5/16 in. shank	35-819



Step Drill Bits

Trust IDEAL step drill bits for precise, repetitive drilling through the toughest materials including brass, carbon steel, cast iron, stainless steel, and more. These tough and reliable tools are constructed with a rugged titanium nitrite exterior coating. Each step is gradually blended to ease stepping through hole sizes; reducing the need to keep changing drill bits, which speeds up the fabrication process. Improved Split-Point tip design eliminates the need for a starter hole or punch and delivers three times faster starts, saving valuable time. The double-fluted design provides balanced cuts and cooler operation.



35-514	3	5-515	35-516	i	35-517
Drill Diameter Sizes (In.)	No. of Hole Sizes	Step Increments (In.)	Step Thickness (In.)	Shank Dia. (In.)	Part No.
1/8 to 1/2	13	1/32	1/8	5/16	35-511
1/4 to 3/4	9	1/16	1/8	3/8	35-512
1/4 to 7/8	11	1/16	1/16	3/8	35-513
1/2 to 1	8	1/16	1/8	3/8	35-514*
1/4 to 1-1/8	16	1/16	1/16	3/8	35-515
3/16 to 1/2	6	1/16	3/8	5/16	35-516
1/4 to 1-3/8	10	1/32	1/16 to 1/4	3/8	35-517

^{*}Requires pilot holes.

Electrician's Step Bit Kit

- · Durable blow-molded case securely holds and protects bits
- Kit Includes: 1/8 to 1/2 in. 35-511, 1/4 to 7/8 in. 35-513, 1/4 to 1-1/8 in. 35-515 and 1/4 to 1-3/8 in. 35-517 Step Bits
- Kit provides a solution for every electrical hole size between 1/8 in. and 1-3/8 in.



Description	Part No.
Electrician's Step Bit Kit	35-520



Radiusblended. multi-diameter steps

Split-Point

design

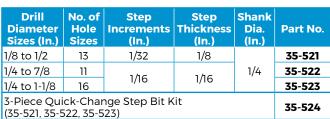
Protective titanium nitrite coating

Quick Change Step Bits

design



- Split-Point tip lasts longer and starts faster than competition
- High speed tool steel, double-tempered for superior tip life
- Double fluted and blended radius steps for smooth drilling
- 1/4" Quick change shank



7-1/2" Nailbiter™ Premium Ship Auger Bits



- Hardened, dual face with 30° rake angle design, a patent pending staggered cutting edge which enhances chip removal and provides a harden cutting edge to break through nails.
- Non-stick, polished and coated flutes for enhanced chip removal
- Heavy-duty lead screw designed for quick gripping power, superior penetration and extra-long life
- · Re-sharpenable for extended tool life
- · 7/16 in. Shank

Power Ship Auger Size:	Hole Diameter	Overall Length	Twist Length	Part No.
5/8 in.	5/8 in.			35-810
11/16 in.	11/16 in.			35-811
3/4 in.	3/4 in.	7-1/2 in.		35-812
13/16 in.	13/16 in.		5 in.	35-813
7/8 in.	7/8 in.			35-814
1 in.	1 in.			35-815
1-1/8 in.	1-1/8 in.			35-816
1-1/4 in.	1-1/4 in.			35-817

18" Nailbiter™ Premium Ship Auger Bits

Power Ship Auger Size:	Hole Diameter	Overall Length	Twist Length	Part No.
1/2 in.	1/2 in.			35-820
5/8 in.	5/8 in.			35-821
11/16 in.	11/16 in.			35-822
3/4 in.	3/4 in.			35-823
13/16 in.	13/16 in.		15 in.	35-824
7/8 in.	7/8 in.	18 in.		35-825
15/16 in.	15/16 in.			35-826
1 in.	1 in.			35-827
1-1/8 in.	1-1/8 in.			35-828
1-1/4 in.	1-1/4 in.			35-829

Mini™ Utility Bit Augers



- Designed to fit between wall studs when used with common drills
- · Eliminates the need for expensive right angle drills

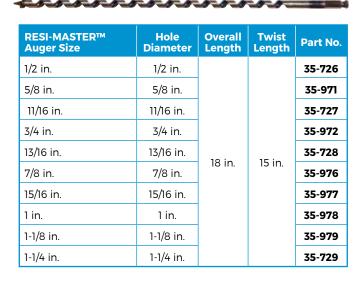
7-1/2" RESI-MASTER™ Heavy-Duty Ship Augers



- · Reinforced cutting edge for added durability
- Secondary angle for fast cuts & efficient chip removal
- · Hardened and tempered for extended tool life
- · Quick-change shank design for fast bit changes
- 7/16 in. Shank

RESI-MASTER™ Auger Size	Hole Diameter	Overall Length	Twist Length	Part No.
5/8 in.	5/8 in.			35-892
11/16 in.	11/16 in.			35-730
3/4 in.	3/4 in.			35-893
13/16 in.	13/16 in.			35-731
7/8 in.	7/8 in.	7-1/2 in.	5 in.	35-896
15/16 in.	15/16 in.			35-897
1 in.	1 in.			35-898
1-1/8 in.	1-1/8 in.			35-899
1-1/4 in.	1-1/4 in.			35-732

18" RESI-MASTER™ Heavy-Duty Ship Augers



Bit Length = 4-3/4 in., Twist = 2-1/2 in., Shank = 5/16 in.	Hole Diameter	Part No.
5/8 in. Mini™ Auger	5/8 in.	35-862
3/4 in. Mini™ Auger	3/4 in.	35-864
7/8 in. Mini™ Auger	7/8 in.	35-866
1 in. Power Ship Auger	1 in.	35-868

Reciprocating Blades

- · Bi-metal blades last up to ten times longer than carbon steel blades
- · Flexible spring-back provides long blade life
- Super-hard, high speed steel teeth for a sharp, long-lasting cutting edge
- Shatterproof for tough applications
- Fits all reciprocating saws using 1/2 in. universal shank



L/W/TH (In.)	TPI	Material	Blade Back	Qty.	Application	Part No.
Metal Cutting	g	- Inch	de reserv			
6 x 3/4 x .035	14	Bi-metal	Straight	5	Pipe, structural steel, stainless steel: 3/32 in 1/4 in., Non-ferrous metal: 3/32 in 3/8 in.	36-059
4 x 3/4 x .035	18	Bi-metal	Straight	5	Structural steel, pipe, conduit, stainless steel: 1/16 in 3/16 in. thick, Non-ferrous metal: 1/16 in 5/16 in. thick	36-055
6 x 3/4 x .035	18	Bi-metal	Straight	5	Structural steel, pipe, conduit, stainless steel: 1/16 in 3/16 in. thick, Non-ferrous metal: 1/16 in 5/16 in. thick	36-057
8 x 3/4 x .035	18	Bi-metal	Straight	5	Structural steel, pipe, conduit, stainless steel: 1/16 in 3/16 in. thick, Non-ferrous metal: 1/16 in 5/16 in. thick	36-060
6 x 3/4 x .035	24	Bi-metal	Straight	5	All metal less than 1/8 in. thick: Tubing conduit, trim	36-058
Heavy-Duty I	Metal	Cutting	II the	-constant		
6 x 3/4 x .050	18	Bi-metal	Straight	2	Heavy-duty blade for cutting structural steel, pipe, conduit, stainless steel: 1/16 in. to 3/16 in. thick	36-085
8 x 3/4 x .050	10/14	Bi-metal	Straight	2	Heavy-duty blade for cutting structural steel, pipe, conduit, stainless steel: 1/8 in. to 1/2 in. thick	36-086
12 x 3/4 x .050	10/14	Bi-metal	Taper	5	Heavy-duty blade for cutting structural steel, pipe, conduit, stainless steel: 1/8 in. to 1/2 in. thick	36-087
Wood w/Nai	ls	Wes	. IRMAT.			
6 x 3/4 x .050	6	Bi-metal	Taper	5	Fast cutting, roughing-in work, nail-embedded wood, remodeling	36-065
9 x 3/4 x .050	6	Bi-metal	Taper	5	Fast cutting, roughing-in work, nail-embedded wood, remodeling	36-066
12 x 3/4 x .050	6	Bi-metal	Taper	5	Fast cutting, roughing-in work, nail-embedded wood, remodeling	36-067
Demolition		MAR.	. Cresco			
9 x 7/8 x .062	6	Bi-metal	Taper	2	Demolition work in nail-embedded wood, remodeling	36-095
9 x 7/8 x .062	10	Bi-metal	Taper	2	Demolition work in wood, metal, pipe and fire and rescue	36-096
General Purp	ose	W Min.	OMME			
6 x 3/4 x .035	10	Bi-metal	Straight	5	Nail embedded wood, metal and non-ferrous metal composition materials & plastics 1/8 in 1/2 in.	36-075
Specialty Cu	tting	- -	Control of the Contro		_1 manual	
8 x 3/4 x .050	Grit	Tung. Grit	Straight	2	Iron pipe, fiberglass, reinforced plastics, ceramic tile, stone, slate and brick.	36-090
3 x 5/16 x .035	18	Bi-metal	Scroll	5	Scroll cutting wood, cast aluminum and non-ferrous metals	36-054
Plaster/Dryw	/all	Hit Wall	4.2722			
6 x 3/4 x .050	6	Bi-metal	Taper	2	For plaster, drywall, plaster board & lath. Bi-directional cutting	36-088

Long-Life Metal Cutting Reciprocating Blades



- · Engineered to be the longest lasting, metal cutting blades available
- · Long-life blades perform up to three times as many cuts as similar metal cutting blades
- · 8% cobalt cutting edge for extreme durability
- · Shatterproof bi-metal design
- · Longer life for greater value

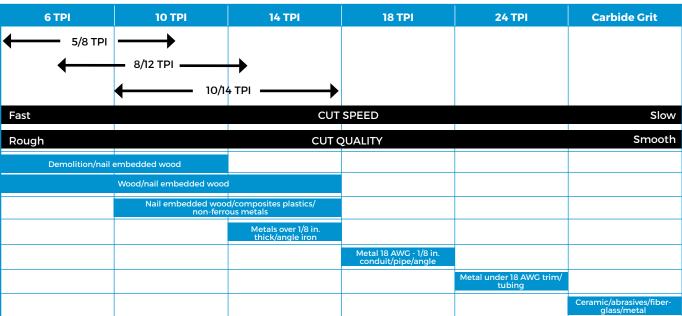
L/W/TH (in.)	TPI	Material	Blade Back	Qty.	Application	Part No.
6 x 3/4 x .035	18			5	Long-Life blade for cutting structural steel, pipe, conduit, stainless steel, sheet metal: 1/6 in 3/16 in. thick	36-043
8 x 3/4 x .035	18	D:	Charles I.	5	Long-Life blade for cutting structural steel, pipe, conduit, stainless steel, sheet metal: 1/6 in 3/16 in. thick	36-044
6 x 1 x .042	14	Bi-metal	Straight	5	Long-Life blade for cutting rebar, barstock, angle iron and other heavy gauge metals: 1/8 in. and thicker	36-046
12 x 1 x .050	14			5	Long-Life blade for cutting rebar, barstock, angle iron and other heavy gauge metals: 1/8 in. and thicker	36-048

Portable Band Saw Blades

- · Bi-metal construction
- · Fit all standard portable band saw machines
- · For pipe, tubing and solids
- · Cut any machinable metal, including conduit, angle iron, structural, rebar and stainless steel tubing

L/W/TH (In.)	TPI	Qty.	Part No.
44-7/8 x 1/2 x .020	10	3	36-070
44-7/8 x 1/2 x .020	14	3	36-071
44-7/8 x 1/2 x .020	18	3	36-072
44-7/8 x 1/2 x .020	24	3	36-073

Application Guide



Select teeth per inch to allow at least three teeth to be in the cut at all times.

WIRE MANAGEMENT

Cable Ties

- · Tools
- · Identification Ties
- · Plenum, Powr-Tie™, Multi-Purpose
- Miniature, Standard, Heavy DutyMounting Pads
- · Screw Mounting Bases

- SuppliesGrommets
- Bushings
- · Spacer Shims
- · Anchor Kits

- StaplesPlastic Insulated
- · Carbon Steel
- · Cable Stacker

Wire Markers

- Booklets
- · Cards
- · Dispenser

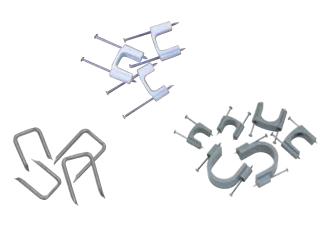
- Switches ⋅ Toggle
- Rocker
- · Lever/Pull Chain
- Push-Button
- Rotary
- Door
- · Indicator Lights















Cable Tie Numbering System



IT	2	S	МН	СС	O
IT = IDEAL Powr-Tie™	Size	Tensile Strength	Style	Qty. Per Package	Color
Cable Ties	Approximate Bundle Diameter for ties	M = Miniature (18 lbs.) I = Intermediate (40 lbs.) S = Standard (50 lbs.) LH = Light-Heavy Duty (120 lbs.) H = Heavy Duty (175 lbs.) EH = Extra Heavy-Duty (250 lbs.)	= Standard Tie MH = Mounting ID = Identification MB = Mounting Base LPMB = Low Profile Mounting Base MP = Mounting Pad CCL = Cable Clamp	L = 50 C = 100 D = 500 M = 1000	= Natural O = UV Black 8 = Gray 30 = Heat Stabilized Black 35 = Burgundy 702= Halar

Cable Tie Installation Tool

- · Consistent, positive tension
- Flush cut-off leaves no projections to damage nearby wires or components
- · Lightweight economy model for smaller jobs
- Heavy-duty model features rugged construction with comfortable, cushioned grips



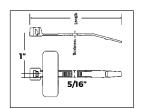
41-995

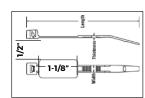
Description	Part No.
Economy - use w/standard & heavy-duty ties	41-990
Heavy-Duty – use w/standard & heavy-duty ties	41-995
Replacement Cutter Blade	L-9148
Replacement Cutter Bar	K-5405

Identification Ties

- · Write-on surface
- Bundle and identify at the same time







Description	Length	Width	Thickness	Max. Bundle	Tensile Strength	Pad Size (H X L)	UL/CSA Type	Qty./ Bag	Part No.
Natural Nylon	4.0 in. 103mm	.094 in. 2.40mm	.044 in/l.12mm	1/16 - 7/8 in.	18 lbs.	5/16 in. x 1 in.	21	100	ITIMID-C
Natural Nylon	7.9 in. 201mm	.180 in. 4.58mm	.055 in. 1.40mm	1/16 - 1-7/8 in.	50 lbs.	1-1/8 in. x 1/2 in.	21	100	IT2SID-C



Clamps

- · Use to secure wires, cables, pipes, tubing and fiber optics
- · Use with #10 mounting screw



Description	Closed Diameter	Center to Center	Width	Thickness	Mounting Hole	Qty./Bag	Part No.
Natural Nylon	.125 in. 3.18mm	.343 in. 8.71mm	3/8 in.	.050 in. 1.27mm	.203 in. 5.16mm	100	IT125CCL-C
Natural Nylon	.250 in.	.421 in.	7/0:	.050 in.	.203 in.	100	IT250CCL-C
Black Nylon	6.35mm	10.69mm	3/8 in.	1.27mm	5.16mm	100	IT250CCL-C0
Natural Nylon	.375 in.	.500 in.	1/0 :	.060 in.	.203 in.	100	IT375CCL2-C
Black Nylon	9.52mm	12.70mm	1/2 in.	1.52mm	5.16mm	100	IT375CCL2-CO
Natural Nylon	.500 in. 12.70mm	.553 in. 14.05mm	1/2 in.	.060 in. 1.52mm	.203 in. 5.16mm	100	IT500CCL2-C
Natural Nylon	.625 in. 15.88mm	.625 in. 15.88mm	1/2 in.	.060 in. 1.52mm	.203 in. 5.16mm	100	IT625CCL2-C
Natural Nylon	.750 in. 19.05mm	.699 in. 17.75mm	1/2 in.	.060 in. 1.52mm	.203 in. 5.16mm	100	IT750CCL2-C
Natural Nylon	1.000 in. 25.40mm	.825 in. 20.96mm	1/2 in.	.060 in. 1.52mm	.203 in. 5.16mm	100	IT1000CCL2-C

Plenum Cable Ties

• UL Listed nylon 6/6 cable ties are suitable for use in Air Handling Spaces (Plenum) in accordance with Section 300-22(C) & (D) of the National Electrical Code and Rules 12-010 (3), (4) and (5) and 12-020 of the Canadian Electrical Code, Part 1



Standard Ties

Description	Length	Width	Thickness	Max. Bundle	Tensile Strength	Mil-Spec Reference	UL/CSA Type	Plenum Approval	Qty./ Bag	Part No.
Burgundy Nylon						_			100	IT2S-C35
Natural Nylon	7.5 in.	.180 in.	.053 in.			M6776F 1 0			100	IT2S-C
Natural Nylon	190mm	4.57mm	1.34mm	1/16 - 1-7/8 in.	50 lbs.	MS3367-1-9			1000	IT2S-M
UV Black Nylon						MC77C7 1 0			100	IT2S-C0
UV Black Nylon						MS3367-1-0			1000	IT2S-M0
Burgundy Nylon						_			100	IT3S-C35
Natural Nylon	11.2 in.	.180 in.	.053 in.	, , ,		MS3367-7-9	21S	AH-2	100	IT3S-C
Natural Nylon	285mm	4.57mm	1.34mm	1/16 - 3-1/16 in.	50 lbs.	MS3367-7-9			500	IT3S-D
UV Black Nylon						MC7767 7 0			100	IT3S-CO
UV Black Nylon						MS3367-7-0			500	IT3S-D0
Natural Nylon						M67767 2 0			100	IT4S-C
Natural Nylon	14.2 in.	.180 in.	.053 in.	1/16 / in	EO lbs	MS3367-2-9			500	IT4S-D
UV Black Nylon	361mm	4.57mm	1.34mm	1/16 - 4 in.	50 lbs.	M6776F 2 0	1		100	IT4S-C0
UV Black Nylon						MS3367-2-0			500	IT4S-D0



Powr-Tie[™] Cable Ties

Quality Construction

- One-piece design for added strength
- Superior locking mechanism
- Exceeds industry tensile strength ratings

Low Insertion Force

- Tapered thin tip reduces initial friction
- Lowest insertion force with high tensile strength
- Reduces installation fatigue

No Burrs or Sharp Edges

- Smooth corners provide added safety
- Rounded edges eliminate insulation damage

Stepped Tail Grip for easier grabbing and tightening once engaged



Angled Tail

- Provides quicker initial insertion
- Lowers installation costs

Material Selection

- **RoHS Compliant**
- **Natural General Purpose 6/6 Nylon**
- Suitable for most applications
- Meets UL 94V-2 flammability ratings
- 85°C/185°F working temperature



- Suitable for most applications with continuous or extended exposure to outdoor elements
- Weather-resistant grade, able to endure ultraviolet (UV) light
- Meets UL 94V-2 flammability ratings
- 85°C/185°F working temperature





Miniature (18 lbs.) Natural & UV Black Cable Ties

Description	Length	Width	Thickness	Max. Bundle	Tensile Strength	Mil-Spec Reference	UL/CSA Type	Plenum Approval	Qty./ Bag	Part No.
Natural Nylon						MS3367-4-9			100	ІТІМ-С
Natural Nylon	4.1 in. 104mm	.095 in. 2.41mm	.042 in. 1.06mm	1/16 - 7/8 in.	18 lbs.	M33307-4-9			1000	ІТІМ-М
UV Black Nylon	10-111111	2.41111111	1.0011111			MS3367-4-0			100	IT1M-C0
Natural Nylon	6.1 in.	.095 in.	.042 in.	1/16 - 1-1/2 in.	18 lbs.		21	AH-2	100	IT1_5M-C
UV Black Nylon	154mm	2.41mm	1.06mm	1/10 - 1-1/2 IM.	10 105.	_		7112	100	IT1_5M-C0
Natural Nylon			2/2/						100	IT2M-C
Natural Nylon	8.1 in. 207mm	.095 in.	.042 in. 1.06mm	1/16 - 2-3/16 in.	18 lbs.	_			1000	IT2M-M
UV Black Nylon	20,11111	<u> </u>	1.00111111						100	IT2M-C0

AH-2 UL Listed for Air Handling Spaces



Intermediate (40 lbs.) Natural & UV Black Cable Ties

Description	Length	Width	Thickness	Max. Bundle	Tensile Strength	Mil-Spec Reference	UL/CSA Type	Plenum Approval	Qty./ Bag	Part No.
Natural Nylon						N467767 F 0			100	IT1_5I-C
Natural Nylon	5.8 in.	.140 in.	.049 in.	1/16 1 1 1/16 :	(O.H.)	MS3367-5-9			1000	IT1_5I-M
UV Black Nylon	148mm		1.24mm	1/16 - 1-7/16 in.	40 lbs.	MS3367-5-0			100	IT1_5I-C0
UV Black Nylon									1000	IT1_5I-M0
Natural Nylon			.049 in.	1/16 - 2-3/8 in.	40 lbs.	MS53367-5-9 s. MS53367-5-0			100 1000 1000 1000 1000 1000 1000 1000	IT2I-C
Natural Nylon	8.8 in.	.140 in.					21	AH-2	1000	IT2I-M
UV Black Nylon	225mm	3.55mm	1.24mm					7 =	100	IT2I-CO
UV Black Nylon									1000	IT2I-MO
Natural Nylon	10.9 in.	.140 in.	.049 in.	1/16 77/0:0	(O lbs				100	IT3I-C
UV Black Nylon	278mm		1.24mm	1/16 - 3-3/8 in.	40 lbs.	_			100	IT3I-CO
Natural Nylon	14.2 in.		.049 in.	1/16 / im	(O lbs				100	IT4I-C
UV Black Nylon	361mm	3.55mm	1.24mm	1/16 - 4 in.	40 lbs.	_			100	IT4I-C0

AH-2 UL Listed for Air Handling Spaces



Standard (50 lbs.) Natural & UV Black Cable Ties

Description	Length	Width	Thickness	Max. Bundle	Tensile Strength	Mil-Spec Reference	UL/CSA Type	Plenum Approval	Qty./ Bag	Part No.
Natural Nylon						MC776F 1 0			100	IT2S-C
Natural Nylon	7.5 in.	.180 in.	.053 in.	1/10 1 17/0 :	50 II	MS3367-1-9			1000	IT2S-M
UV Black Nylon	190mm	4.57mm	1.34mm	1/16 - 1-7/8 in.	50 lbs.				100	IT2S-C0
UV Black Nylon						MS3367-1-0			1000	IT2S-MO
Natural Nylon									100	IT3S-C
Natural Nylon	11.2 in.	.180 in.	.053 in.	1/16 - 3-1/16	EO lle e	MS3367-7-9	215	AH-2	500	IT3S-D
UV Black Nylon	285mm	4.57mm	1.34mm	in.	50 lbs.	1467767 7 0	213	AllZ	100	IT3S-C0
UV Black Nylon						MS3367-7-0			500	IT3S-D0
Natural Nylon						MS3367-2-9			100	IT4S-C
Natural Nylon	14.2 in.	.180 in.	.053 in.	1/16 - 4 in.	50 lbs.	M33307-Z-9			500	IT4S-D
UV Black Nylon	361mm	4.57mm	1.34mm	1/10 - 4 111.	50 IDS.	MC7767 2 0			100	IT4S-C0
UV Black Nylon						MS3367-2-0			500	IT4S-D0
Natural Nylon	17.0 in.	.180 in.	.053 in.	1/16 - 4-1/2 in.	EO lbs		21	ALI 1	100	IT5S-C
UV Black Nylon	434mm	4.74mm	1.34mm	1/10 - 4-1/2 IN.	50 lbs.	_	21	AH-1	100	IT5S-CO

UL Listed Nylon 6/6 cable ties are suitable for use in Air Handling Spaces (Plenum) in accordance with Section 300-22(C) & (D) of the National Electrical Code and Rules 12-010 (3), (4) & (5) and 12-020 of the Canadian Electrical Code, Part 1.





Light Heavy-Duty, Heavy-Duty and Extra Heavy-Duty Natural, UV Black Cable Ties

Description	Length	Width	Thickness	Max. Bundle	Tensile Strength	Mil-Spec Reference	UL/CSA Type	Plenum Approval	Qty./ Bag	Part No.
Natural Nylon	8.7	.300 in.	.076 in.	7/10/1/10 :	120 lbs.				100	IT2LH-C
UV Black Nylon	220.9mm	7.62mm	1.93mm	3/16-1/16 in.	120 105.	_			100	IT2LH-C0
Natural Nylon	15.1 in.	.300 in.	.076 in.	7/10 / 1/10 :	120 H	MS3367-3-9			50	IT4LH-L
UV Black Nylon	383mm	7.62mm	1.93mm	3/16-4-1/16 in.	120 lbs.	MS3367-3-0	010		50	IT4LH-LO
Natural Nylon	18.2 in.	.300 in.	.083 in.	7.50 5 1	100 H		21S	AH-2	50	IT5LH-L
UV Black Nylon	465mm	7.67mm	2.1mm	3/16-5 in.	120 lbs.	_			50	IT5LH-LO
Natural Nylon	24.5 in.	.300 in.	.083 in.	7.00 -	100 H				50	IT7LH-L
UV Black Nylon	622mm	7.67mm	2.1mm	3/16-7 in.	120 lbs.	_			50	IT7LH-LO
Natural Nylon	25.5 in.	.340 in.	.090 in.	11/0 = 7/10:	185 U	MS3367-10-9			50	IT7H-L
UV Black Nylon	641mm	8.63mm	2.29mm	1-1/2-7-3/16 in.	175 lbs.	MS3367-10-0			50	IT7H-LO
Natural Nylon	37.2 in.	.340 in.	.090 in.	1 1/0 11 '	185 U	MS3367-13-9			50	ITIIH-L
UV Black Nylon	946mm	8.63mm	2.29mm	1-1/2-11 in.	175 lbs.	MS3367-13-0	21	AH-2	50	IT11H-LO
Natural Nylon	48.5 in.	.340 in.	.090 in.	11/01/1/0:	185 U	MS3367-16-9			50	IT14H-L
UV Black Nylon	1231mm	8.63mm	2.29mm	1-1/2-14-1/2 in.	175 lbs.	MS3367-16-0			50	IT14H-LO
UV Black Nylon	21.7.7in. 552mm	.49 in. 12.5mm	.077 in. 1.96mm	1/2-5-3/4 in.	250 lbs.	_			100	IT6EH-C0

6EH UL only. AH-2 UL Listed for Air Handling Spaces.

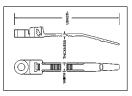




Mounting Head, Natural & UV Black Cable Ties

- Secures and positions wire bundles, cables, hoses, etc. to panels or other surfaces with one fastener to reduce time and cost
- · Allows bundling before and after mounting





Description	Length	Width	Thickness	Max. Bundle	Tensile Strength	Screw Size	UL/CSA Type	Plenum Approval	Qty./ Bag	Part No.
Natural Nylon	6.0 in.	.138 in.	.045 in.	1/16 - 1-1/4 in.	40 lbs.	No. 8	11		100	ІТ1_5ІМН-С
UV Black Nylon	152mm	3.50mm	1.14mm	1/16 - 1-1/4 IM.	40 IDS.	INO. 6	11		100	IT1_5IMH-CO
Natural Nylon									100	IT2SMH-C
Natural Nylon	8.1 in. 206mm	.177 in. 4.49mm	.052 in. 1.32mm	1/16 - 1-3/4 in.	50 lbs.	No. 10			1000	IT2SMH-M
UV Black Nylon	200111111	4.4311111	1.5211111						100	IT2SMH-C0
Natural Nylon	11.8 in.	.177 in.	.053 in.	1/16 - 3 in.	50 lbs.	No. 10		AH-2	100	IT3SMH-C
UV Black Nylon	363mm	4.49mm	1.34mm	1/10 - 3 111.	50 IDS.	100.10			100	IT3SMH-C0
Natural Nylon	14.5 in. 363mm	.177 in. 4.49mm	.053 in. 1.34mm	1/16 - 4 in.	50 lbs.	No. 10			100	IT4SMH-C
Natural Nylon	15.7 in.	.248 in.	.075 in.	3/16 - 4-1/16 in.	120 lbs.	1/4 in.	21		100	IT4LHMH-C
UV Black Nylon	398mm	7.56mm	1.90mm	3/10 - 4-1/10 111.	120 105.	1/4 111.	21		100	IT4LHMH-C0

Lead-N-Feature -

UL Listed Nylon 6/6 cable ties are suitable for use in air handling spaces in accordance with Section 300-22(C) & (D) of the National Electrical Code.

Low Profile





Mounting Pads

- Lead-N-Feature allows easy insertion for hard to reach applications
- Four-sided entry slots save time during placement orientation
- Smooth radius cradle eliminates possible damage to cable while providing stable support
- · Low Profile is essential in confined spaces
- UL recognized, rubber adhesive fixing device



Rubber or Acrylic Base Adhesives

 "Stay-N-Place" Tab
 Smooth radius cradle
 Four-sided entry



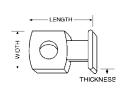


Description	Width	Height	Slot Height	Slot Width	Screw Size	UL/CSA Type	Qty./Bag	Part No.
Natural Nylon	.74 in.	.19 in.	.05 in.	.20 in.	NI. /		100	IT750MP-C
UV Black Nylon	19mm	4.8mm	1.2mm	5.1mm	No. 4		100	IT750MP-C0
Natural Nylon	.99 in.	.20 in.	.06 in.	.20 in.			100	ІТ1000МР-С
UV Black Nylon	25mm	5.0mm	1.5mm	5.1mm	No. 6		100	IT1000MP-C0

Screw Mounting Bases — Low Profile

 Perfect for confined space, control panels or other areas where space is limited



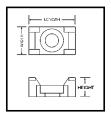


Description	Length	Width	Height	Slot Height	Slot Width	Screw Size	Qty./Bag	Part No.
Low Profile Mount	.750 in. 19mm	.500 in. 12.70mm	.120 in. 3.04mm	.062 in. 1.57mm	.180 in. 4.57mm	No. 8	100	ITILPMB-C

Screw Mounting Bases — Standard

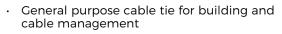
- · Deep cradle design provides support for larger bundles and tubing
- Recessed screw hole allows cable ties to easily pass over screw head

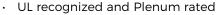




Description	Length	Width	Height	Slot Height	Slot Width	Screw Size	UL/CSA Type	Plenum Approval	Qty./ Bag	Part No.
Natural Nylon	.60 in.	.380 in.	.270 in.	.062 in.	.200 in.	N. C			100	ІТІЅМВ-С
UV Black Nylon	15mm	9.60mm	6.86mm	1.59mm	5.05mm	No. 6	21	411.2	100	IT1SMB-C0
Natural Nylon	.90 in.	.630 in.	.380 in.	.125 in.	.350 in.	1// :	21	AH-2	100	IT2SMB-C
UV Black Nylon	22mm	16.00mm	9.65mm	3.18mm	8.89mm	1/4 in.			100	IT2SMB-C0

Multi-Purpose Cable Ties













Si	ze	Thickness x Width	Color	Tensile Strength (lbs.)	UL/CSA Type	Plenum Approval	Qty.	Part No.											
Miniature	4 in.	.042 x .095	Natural	18			100	B-4-18-9-C											
Milliature	4111.	.042 X .093	UL Black	10	21		100	B-4-18-0-C											
			Natural		۷۱		100	B-6-40-9-C											
	6 in.	.049 x .140	Natural	40			1,000	B-6-40-9-M											
Intermediate			UV Black				100	B-6-40-0-C											
	8 in.	.053 x .180	Burgundy	50			100	B-8-50-35-C											
	11 in.	.001. X 220.	burguriay	30			100	B-11-50-35-C											
			Natural				100	B-8-50-9-C											
	8 in.		Natural				1,000	B-8-50-9-M											
	0 11 1.		UV Black				100	B-8-50-0-C											
			UV Black				1,000	B-8-50-0-M											
			Natural		21S	AH-2	100	B-11-50-9-C											
Standard 11 in.	11 in	.053 x .180	Natural	50			500	B-11-50-9-D											
	.053 X .160	UV Black	50	213		100	B-11-50-0-C												
			UV Black				500	B-11-50-0-D											
			Natural				100	B-14-50-9-C											
	14 in.	14 in.	14 in.	14 in.	14 in	14 in	14 in	14 in	1/. in	1/Lin	14 in	1/Lin		Natural				500	B-14-50-9-D
						UV Black				100	B-14-50-0-C								
			UV Black				500	B-14-50-0-D											
	14 in.		Natural	120			100	B-14-120-9-C											
	14 IN.		UV Black	120			50	B-14-120-0-L											
Heavy-Duty	27 :	.076 x .300	Natural				50	B-24-175-9-L											
neavy-Duty	24 in.	.076 X .300	UV Black	100	21		50	B-24-175-0-L											
	36 in.		Natural	175	21		50	B-36-175-9-L											
	48 in.		Natural				50	B-48-175-9-L											
	0 :	052 177	Natural				100	B-8-50MT-9-C											
Mounting Ties	8 in.	.052 x .177	UV Black	50	21	AH-2	100	B-8-50MT-0-C											
-	14 in.	.053 x .178	Natural				100	B-14-50MT-9-C											
Maunting Dada	3/4 in. x 3/4 in.	.189 Max. Tie Width	Natural	9	11	_	100	BMP-750-9-C											
Mounting Pads	1 in. x 1 in.	.142 Max Tie Width	Natural	11	11	_	100	BMP-1000-9-C											





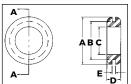


Grommets



- Installs instantly! Flexible PVC grommets side slotted 1/16 in. for quick installation
- Snap into holes in electrical boxes, sheet metal, auto firewalls and more
- Prevents steel and other sharp edge chafing of wire insulation or cording
- Black, PVC, flexible, 60 durometer





Description	A	В	С	D	E	Qty.	Part No.
1/2" Grommets	55/64	.69	1/2	.25	1/16	25	774113
3/4" Grommets	15/64	1.0	3/4	.31	1/16	10	774136

Spacer Shims



- Eliminates the need to cut plate screws for "GFCI" decorator devices when installing on tile, marble, etc.
- · Supports loose outlets
- · Prevents broken face plates
- Snaps over #6, #8, #10 screws

Description	Quantity	Part No.
Caterpillar	5	772453
Caterpillar	25	172451L
Caterpillar	500	772451

Universal Metal Stud Bushings

 Non-metallic stud bushing fits all hole configurations you are likely to encounter in pre-punched steel studs



 Long pulls of cable slide smoothly through the bushing, make a difficult job easier

Protects wire without falling out of the hole

2.50 th 3.30

Description	Quantity	Part No.
Stud Bushing	25	772271

Flange-Type Plastic Anchor Kits

- Kit includes: Flange-type anchors, Slotted/Phillips head screws and masonry bit
- Convenient plastic storage container

	Contents	Part No.
	100 #6-8-10 x 7/8 in. Flange-type anchors (yellow), 100 #8 x 1 in. combo-combo-head, sheet-metal screws & 1-3/16 in. masonry bit (carbide-tipped)	90-051
	100 #10-12 x 1 in. Flange-type anchors (red), 100 #10 x 1-1/4 in. combo-combo-head, sheet-metal screws & 1-1/4 in. masonry bit (carbide-tipped)	90-052
	100 #10-12 x 1 in. Flange-type anchors (red), 100 #12 x 1 in. combo-combo-head, sheet-metal screws & 1-1/4 in. masonry bit (carbide-tipped)	90-053
1	40 #14-16 x 1-1/2 in. Flange-type anchors (white), 40 #14 x 1-1/2 in. combo-combo-head, sheet-metal screws & 1-5/4=16 in. masonry bit (carbide-tipped)	90-054

Plastic Insulated Staples

- · Use with wider cable such as NM
- · Plastic material is UV resistant
- Smooth plastic saddle prevents damage to cable
- Zinc-plated nails resist rust and corrosion



Description	Quantity	Part No.		
	50/Bag	BPS2-50		
	100/Bag	BPS2-1		
1/2 in. Insulated	225/Jar	BPS2-JRL		
Staple	400/Jar	BPS2B-JR		
	500/Bag	BPS2-5		
	5,000/Bucket	BPS2-5M		
	100/Bag	BPS3-1		
3/4 in. Insulated Staple	200/Jar	BPS3-JRL		
Stapic	250/Bag	BPS3-2		

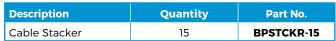
Carbon Steel Staples

- · Use with wider cable such as NM
- · High-grade carbon steel construction
- Sharp-point legs drive straight without splitting wood
- · Resist rust and corrosion

Description	Quantity	Part No.
	100/Box	BCS1-1
1/2 in. x 1 in. Carbon	500/Jar	BCS1-JR
Steel Staples	500/Box	BCS1-5
	5,000/Bucket	BCS1-5M
	100/Box	BCS2-1
9/16 in. x 1-1/4 in.	400/Jar	BCS2-JR
Carbon Steel Staples	500/Box	BCS2-5
	5,000/Bucket	BCS2-5M

Cable Stacker

- Perfect for centering multiple cables on 2 x 4 framing members in compliance with NEC 300.4.(2)
- · Use with cable such as NM
- · Plastic material is UV resistant





- · Use with wider cable such as NM
- · Plastic material is UV resistant
- High-grade carbon steel construction
- Smooth plastic saddle prevents damage to cable
- Zinc-plated nails resist rust and corrosion



Description	Quantity	Part No.
1/2 in. 2 Cable Stacker	50/Bag	BPS2/2-50

Plastic Insulated Service Entrance Straps

- Use with service entrance cable and conduit
- Smooth plastic saddle prevents damage to cable
- Zinc-plated nails resist rust and corrosion



Description	Quantity	Part No.
#6 SER & 1/2 in. EMT Plastic Insulated Service Entrance Strap	50/Dan	BSER6-50
#6 & #8 SEU Plastic Insulated Service Entrance Strap	50/Bag	BSEU6-50
#2 SER & 3/4 in. EMT Plastic Insulated Service Entrance Strap	25/0	BSER2-25
#2 SEU Plastic Insulated Service Entrance Strap	25/Bag	BSEU2-25
4/0 SER Plastic Insulated Service Entrance Strap	E/D	BSER4/0-5
4/0 SEU Plastic Insulated Service Entrance Strap	5/Bag	BSEU4/0-5

Carbon Steel Service Entrance Staples

- Use with service entrance cable and conduit
- · High-grade carbon steel construction
- Sharp-point legs drive straight without splitting wood
- · Resist rust and corrosion

Description	Quantity	Part No.	
1-5/16 in. x 3/4 in.	100/5	BMSE150-1	
1-1/2 in. x 1-1/6 in.	100/Box	BMSE175-1	

Wire Marker Booklets

- · Convenient pocket-size booklets
- Plastic, cloth construction for long-lasting durability
- Resists abrasion, moisture, dirt and oil
- Perforated 1/4 in. x 1-1/2 in. markers can be separated into half-length sizes
- Non-smear black legend ensures high visibility
- · Self-sticking on wire and cable
- · For applications above or below ground
- Specifications: Temperature Range: -40°F to 180°F (-40°C to 82°C)

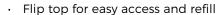
Adhesion: 45 oz./in. width ultimate

Legend Assortments	Quantity	Buchanan Part No.	IDEAL Part No.
0-9	45 Markers each	775101	44-101
A-Z, O-15, +, -, /		775102	44-102
1-45	10 Markers each	775103	-
1-48		_	44-103
46-90		775104	44-104
1, 2, 3	JEO Mandagan and	_	44-105
A, B, C	150 Markers each	_	44-106
A-Z	45 Markers each	_	44-148**
T1, T2, T3	JEO Marilana a a la	_	44-107
L1, L2, L3	150 Markers each	_	44-108
1-15 16-90 A-Z +, -, /, 0	6 Markers each 4 Markers each 2 Markers each 2 Markers each	-	44-109
1, 2, 3 A, B, C T1, T2, T3 L1, L2, L3	45 Markers each 45 Markers each 30 Markers each 30 Markers each	-	44-110
+, -, AC, DC POS, NEG, GND NEUT SPARE, BLANK	45 Markers each 33 Markers each 27 Markers each 21 Markers each	-	44-111*

Ten pages per booklet with each page bearing the legend assortment indicated. All booklets (except 44-111 & 45-148) contain 450 wire markers and 450 terminal markers.

Wire Marker Dispenser

- Convenient pocket-size case holds ten wire marker rolls
- Dispenser tab holds tapes firmly in place — allows removal of proper tape length without waste



- · Built-in hook for hanging from belt or tool pouch
- High-quality adhesive and 3 mil. thickness provide long-lasting, low-profile application
- · Each plastic reel holds Tyvek® tape
- Specifications: Temperature Range: -40°F to 180°F (-40°C to 82°C)

Adhesion: 45 oz./in. width ultimate

Description	Part No.
Dispenser with 0-9 legend rolls	42-301
Refill pack with one each of 0-9 legend rolls	42-399

Tyvek® is a registered trademark of E. I. du Pont de Nemours and Company.

Write-On Marker Cards

- Use for developing personal identification systems
- · Cloth write-on surface
- Accepts most writing instruments

Quantity	Part No.
riting	

Marker Size	Quantity	Part No.	
5/8 in. x 1-1/2 in.	14/card	44-753	

Write-On Marker Booklets

- Use for developing personal identification systems
- Surface accepts pen, pencil or rubber stamp
- Specification: Adhesion .25 oz./in. ultimate width

ditiliate Wit			
Marker Size* (ln.)	Markers per page	Pages per book	Part No.
1 x 2-1/2	6	10	44-151
1 x 5	3	10	44-152

*Write-on area for 2-1/2 in. markers is 3/4 in. x 1 in. Write-on area for 5 in. markers is 1 in. x 1 in.

^{*}Booklet 44-111 includes 348 wire markers and 348 terminal markers. **Booklet 44-148 contains 26 pages, one page of 45 markers per letter, 1170 total markers.

Marking Pen

 Fast-drying, permanent ink will not smear



Use on write-on marker cards and write-on cable-tie marker plates

Description	Part No.
Marking Pen with black ink	41-697

Load Center

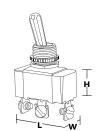
Contains common household legends – bedroom, living room, dryer, water heater, security system, etc.



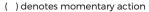
Description	Part No.
Load Center Wire Marker Booklet	44-154

Standard & Heavy-Duty Toggle Switches

- · Great for power tool and motor control switch applications
- · Rugged long-wearing solid brass/nickel-plated bushings
- · 1/2 in. diameter mounting hole
- · Dielectric Strength: 1500V
- · Mechanical Life: 100,000 cycles
- · Operating Temperature: 32°F to 185°F (0°C to 85°C)



				Termination	ation No. of Rating Dimensions	Rating			Dimensions																				
Product	Description	Poles	Circuitry	Style	Terminals	Amps 125 VAC	Amps 277 Vac	HP 125- 250 VAC	(L" x W" x H")	Part No.																			
a	Toggle			Screw						774011																			
An .	Switch with On-Off		On-Off	Spade						774008																			
	Faceplate	SPST		O-Ring/ Screw	2	20	10	3/4	1.13 x .57 x .61	774010																			
0 6	Toggle Switch		(On)-Off	O-Ring/ Screw						774093																			
			On-Off- On	Screw						774013																			
	Toggle Switch	SPDT	On-Off- On	Spade	3	20	10	3/4	1.13 x .57 x .61	774027																			
9 g			(On)-Off- (On)	Screw						774009																			
A	Heavy-	DDCT	On-Off	Screw		20	10	/-		774014																			
8 80 B	Duty Toggle Switch	DPST	DPST	וצייט	ו מאט	ולאט	DPST	DPST	DPST	DPST	DPST	DPST	DPST	DPST	DPST	DPST	DPST	DPST	DPST	DPST	DPST	On-Off	Spade	4	20	10	1-1/2	1.30 x .76 x .80	774005
					_						774015																		
1			On-On Screw On-Off- On Screw 6 20	Screw						774015BK†																			
	Heavy- Duty Toggle Switch	DPDT		20	10	10 1-1/2	1.30 x .76 x .80	774016																					
			On-Off- On	Spade						774003																			
			(On)-Off- (On)	Screw						774000																			



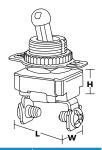
†Bulk Package of 100

Note: All spade terminals are 1/4" (.250).



Medium & Light-Duty Toggle Switches

- · Great for household appliances and equipment
- Wire leads are #18 AWG, 6 in. stripped wire
- 1/2 in. diameter mounting hole



Product	Description	Poles	Circuitry	Termination Style	No. of Terminals	Rating	Dimensions (L" x W" x H")	Part No.
Bat Toggle			On-Off	Screw	2	6 Amps 120 VAC, 3 Amps 240 VAC	.69 × .55 × .34	774017
6	with On-Off Faceplate		On-Off	Wire Leads	2	4 Amps 250VAC/DC, 8 Amps 125VAC/DC, 10 Amps 125 VAC, 1/3 HP 125 VAC	.98 × .64 × .62	774018
	Short Ball Toggle Switch	SPST	On-Off	Wire Leads	2	6 Amps 125 VAC, 3 Amps 250 VAC	.89 × .47 × .55	774002

Extra Heavy-Duty AC/DC Toggle Switches

- The switch that can handle your heavy-duty requirements
- Quick-make/quick-break type switches are ideal for DC voltage applications
- Perfect for industrial motor control, with its sturdy metal construction and stiff actuation force, withstands the abuses of virtually any application



				Termination	No. of		Rating		Dimensions (L"	
Product	Description	Poles	Circuitry		Terminals	Amps 125 VAC	Amps 227 VAC	HP 125- 250 VAC	Dimensions (L" x W" x H")	Part No.
A	Heavy-Duty	DDGT	00	Comme	,	16	8	1	1.75 x .84 x .76	774096
The state of the s	Heavy-Duty Toggle Switch	DPST	On-Off	Screw	4	20	10	1-1/2	2.09 x 1.00 x .90	774097

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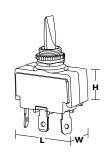
Toggle Switch Accessories

- · Neoprene covers great for outdoor and other environmentally tough conditions
- · Covers screw onto toggle switches to protect from moisture, dust and dirt

Product	Description	Mounting	Dimensions	Quantity	Part No.
	Toggle Switch Cover	15/32 - 32 NS-2B	.93 Height x .62 Base Dia.	2	774020

Double Insulated Plastic Toggle Switches

- Great for outdoor, marine/recreational equipment, automotive and weather resistant applications
- · Double-insulated with an internal "O" ring design for moisture and dust resistance
- · 1/2 in. diameter mounting hole



				Termination	No. of	Ra	ting	D iamentina	
Product	Description	Poles	Circuitry		No. of Terminals	Amps 125 VAC	Amps 250 VAC	Dimensions (L" x W" x H")	Part No.
	Double Insulated, Plastic Toggle Switch	SPST	On-Off	Screw	2	20	10	1.37 × .76 × .94	774019

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Door Switch

- · Standard slide switch fits 9/16 in. x 7/8 in. opening
- Door switches are great for closets, turning the light on when the door is open and off when it is closed
- · Door switch kit comes with metal box, cover plate and mounting hardware

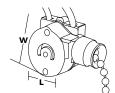


Product	Description	Color Poles		Circuitry	Termination Style	Ratings	Dimensions (L" x W" x H")	Part No.
R	AC/DC Door Switch Kit	White Button	SPST	Normally On- (Off)	Wire Leads	10 Amp 1/3 HP 125/250VAC	1.25 x 2.75 x 2.0	774026K

() Denotes momentary action

Lever & Pull Chain Switches

- · Use for ceiling fixtures, lamps and fans · Push in connectors for #18 AWG wire
- · Wire leads are #18 AWG, 6 in. stripped wire · 13/32 in. diameter mounting hole



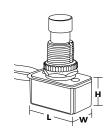
		Pull-			Termination			Rating		Dimensions	Doub
Product	Description	Chain Color	Poles	Circuitry	Type	Circuit	Amps 125 VAC	Amps 250 VAC	Amps 125 V	(L" x W" x H")	Part No.
	All- Angle Lever Switch*	Nickel	SPST	On-Off	Wire Leads	2 Pos - 2 Wire	6	3	_	1.50 x 1.28 x .50	774035
	Pull Chain	Nickel	SPST	On-Off	Wire Leads	2 Pos - 2 Wire	6	3	3	.92 x .88 x .67	774031
9	Pull Chain	Brass	SPST	On-Off	Wire Leads	2 Pos - 2 Wire	6	3	3	.92 x .88 x .67	774032
	3-Speed Pull Chain	Brass	SPTT	Off-On(A)- On(B)- On(A+B)	Wire Leads	4 Pos - 3 Wire	6	3	_	.87 x 1.05 x .65	774037

() Denotes momentary action



Push-Button Switches

- · Great for household appliances, lamps and motor controls
- · Available in normally open, normally closed and standard On-Off circuitry
- · Wire leads are #18 AWG, 6 in. stripped wire
- · 1/2 in. diameter mounting hole

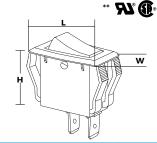


Product	Description	Actuator	Poles	Circuitry	Termination Style	No. of Terminals	Ratings	Dimensions (L" x W" x H")	Part No.
	Momentary Contact Push-Button Switch	Black Plastic	SPST NO	(On)-Off	Screw	2	6 Amp 120 VAC, 3 Amp 240 VAC	.88 x .54 x .35	774022
	Momentary Contact Push-Button Switch**	Nickel Plated	SPST NO	(On)-Off	Screw	2	15 Amp 125 VAC, 10 Amp 250 VAC	1.38 x .58 x .60	774085

() Denotes momentary action

Appliance Rocker Switches

- · Great for home appliances, computer equipment, automotive and industrial controls
- \cdot Appliance Rockers fit standard .55 in. × 1.12 in. panel cut outs
- · Plain and lighted versions available
- · Operating temperature: 32°F to 185°F (0°C to 85°C)



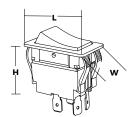
Product	Description	Rocker	Poles	Circuitry	Termination Style	No. of Terminals	Ratings	Dimensions (L" x W" x H")	Part No.
	Appliance Rocker Switch	Black	SPST	On-Off	Spade	2	16 Amp 1/3 HP 125 VAC, 10 Amp 1/2 HP 250 VAC	1.24 x .68 x .77	774038
	Appliance Rocker Switch	Red Lighted	SPST	On-Off	Spade	3*	16 Amp 1/3 HP 125 VAC, 10 Amp 1/2 HP 250 VAC	1.24 x .68 x .77	774039

*3rd terminal to power lighted rocker



Full-Size Rocker Switches

- · For commercial appliances, industrial controls, automotive and marine applications
- · Moisture- and dust-resistant
- · Suitable for low-voltage DC applications
- Recommended .830 in. x 1.450 in. mounting hole, 125 in. panel thickness
- Operating temperature: 32°F to 185°F (0°C to 85°C)



					No. of		Rating		D :	
Product	Description	Poles	Circuitry	Termination Style	No. of Terminals	Amps 125 VAC	Amps 227 VAC	HP 110- 250 VAC	Dimensions (L" x W" x H")	Part No.
	Black Rocker Switch	SPST	On-Off	Spade	2	20	15	2	1.70 x .97 x 1.09	774045
THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TW	Black Rocker Switch	DPDT	On-Off- On	Spade	6	20	15	2	1.70 x .97 x 1.09	774040BK†
	Red Lighted Rocker Switch***	DPST	On-Off	Spade	4	15	10*	3/4**	1.70 x .97 x 1.09	774056

*Amps 250 VAC

**HP 125-250VAC

†Bulk package of 25

c**91**°us *** **91**° (1)

Indicator Light Part No. System

Series	Voltage	Color	Mounting Diameter Lens Style	Terminators
	5 - 14V	1 - Red	1 - 1/2 in. Raised	1 - 6 in. Wire Leads
77	6 - 28V	2 - Green	2 - 1/2 in. Flush	2187 in. Spade
	7 - 125V	3 - Amber	3 - 5/16 in. Flush	_

Flush Indicator Lights

- · Nylon body with flush transparent polycarbonate lens and stainless steel bezel, 94V-2 flammability rating
- · 6 in. wire leads, 1/2 in. mounting diameter
- · Lamp voltage is AC/DC
- Operating Temperature: Nylon Body: 140°C Polycarbonate lens: 13

Polycarbonate lens: 135°C Low Temperature: -40°

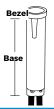


Product	Description	Lens Color	Lamp Voltage	Watts	Amp Rating	Average Life (hrs.)	Lamp Type	Termination Style	Height (Base" x Bezel")	Part No.
	Flush Indicator Light	Red	125V	1/3	2mA Max.	25,000	Neon	6" Wire Leads	.91 x .10	777121*
	Flush Indicator Light	Green	125V	1/3	2mA Max.	15,000	Neon	6" Wire Leads	.91 x .10	777221
ïï	Flush Indicator Light	Amber	125V	1/3	2mA Max.	25,000	Neon	6" Wire Leads	.91 x .10	777321

*VDE Certified

Miniature Indicator Lights

- · Nylon body with flush transparent polycarbonate lens
- · 6 in. wire leads
- · 5/16 in. mounting diameter
- · Lamp voltage is AC/DC



Product	Description	Lens Color	Lamp Voltage	Watts	Amp Rating	Average Life (hrs.)	Lamp Type	Termination Style	Height (Base" x Bezel")	Part No.
		Red	125V	1/3	2mA Max.	25,000	Neon	6 in. Wire Leads	1.43 × .13	777131
	Miniature Indicator	Green	125V	1/3	2mA Max.	15,000	Neon	6 in. Wire Leads	1.43 × .13	777231
	Light	A la	105)/	1/7	2mA	25.000	N1	6 in. Wire	1/7 17	777331
II		Amber	125V	1/3	Max.	25,000	Neon	Leads	1.43 × .13	777331BK†

†Bulk Package of 100



Raised Indicator Lights

- Nylon body with raised transparent polycarbonate lens and stainless steel bezel, 94V-2 flammability rating
- · 1/2 in. mounting diameter
- · Lamp voltage is AC/DC
- Indoor use
- · Operating Temperature: Nylon Body: 140°C Low Temp -40°C

Polycarbonate lens: 135°C



Product	Description	Lens Color	Lamp Voltage	Watts	Amp Rating	Average Life (hrs.)	Lamp Type	Termination Style	Height (Base" x Bezel")	Part No.
		Red	14V	1.2	.08	50,000	Incandescent	6" Wire Leads	.91 x .10 x .20	775111*
		Red	28V	1.2	.04	25,000	Incandescent	6" Wire Leads	.91 x .10 x .20	776111*
		Green	28V	1.2	.04	25,000	Incandescent	6" Wire Leads	.91 x .10 x .20	776211*
	Deisad	Amber	28V	1.2	.04	25,000	Incandescent	6" Wire Leads	.91 x .10 x .20	776311*
	Raised Indicator Light	Red	125V	1/3	2mA Max.	25,000	Neon	6" Wire Leads	.91 x .10 x .20	777111*
	Light	Green	125V	1/3	2mA Max.	15,000	Neon	6" Wire Leads	.91 x .10 x .20	777211*
		Amber	125V	1/3	2mA Max.	25,000	Neon	6" Wire Leads	.91 x .10 x .20	777311*
		Red	250V	1/2	2mA Max.	25,000	Neon	6" Wire Leads	.91 x .10 x .20	778111*
ĬĬ		Green	250V	1/2	2mA Max.	15,000	Neon	6" Wire Leads	.91 x .10 x .20	778211*
		Red	125V	1/3	2mA Max.	25.000	Neon	.187" Spade	1.09 x .10 x .20	777112
Raised Indicator Light		Red	1237	1/3	ZITIA Max.	23,000	Neon	.107 Space	1.09 X .10 X .20	777112BK†
		Green	125V	1/3	2mA Max.	15.000	Neon	.187" Spade	1.09 x .10 x .20	777212
		Siccii	123 V	1/3	ZIIIA MAX.	15,000	NCOIT	.io/ Spade	1.03 X .10 X .20	777212BK†

*VDE certified †Bulk Package of 100





Thermo-Shrink® UF Splice Kits

- Direct burial rated, UV resistant
- 14/3 with and without ground through 8/3 without ground, UF cable range
- Stretcher kit repairs a 7 in. to 10 in. section damaged or destroyed by a trencher
- 600V Maximum, 105°C rating
- Meets the requirements of the 2002 NEC Code 110-14(b) and UL486D
- One wire per fitting



46-410

Description	Part No.
UF Splice Kit - 14-8 AWG, Tubing 1.1 in. x 8 in.	46-400
UF Stretcher Kit* - 14-8 AWG, Tubing 1.1 in. x 18 in.	46-410

^{*}Stretcher kit connector is 11.5 in.

Thermo-Shrink® Al/Cu Splice Kits

- Direct burial rated, underground splice kits
- Heavy-wall heat shrink tubing with adhesive liner provides complete insulation and protection
- Connector can be used for aluminum and/or copper cable
- Meets the requirements of the 2005 NEC Code 110-14(B)
- · 600V maximum, 105°C rating
- UV resistant



Description	Part No.
Underground Splice Kit - 8 to 4 AWG, Tubing 3/4 in. x 6 in.	46-401*
Underground Splice Kit - 4 AWG to 1/0, Tubing 1.1 in. x 8 in.	46-402
Underground Splice Kit - 1/0 to 250 KCMIL, Tubing 1-1/2 in. x 12 in.	46-403

Thermo-Shrink® Self-Sealing UF Splice Kit

- Fully waterproof, submersible and re-enterable to make future changes or repairs
- Meets the requirements of the 2002 NEC Code 110-14 (b) and UL486D
- · Accommodates 14 to 10 AWG wire range
- 600V Maximum, 105°C rating

Description	Part No.
Self Sealing UF Splice Kit	46-411

Thermo-Shrink® Copper Butt Splice Kits

UL Listed

UV resistant

 Provides a fully-insulated butt splice

- 600V Maximum, 105°C rating
- · Not rated for direct burial



Description	Part No.
Butt Splice Kit - Copper 14-8 AWG	46-404
Butt Splice Kit - Copper 8-2 AWG	46-405

Thermo-Shrink® Heat Shrink Kit



Thermo-Shrink® Thin-Wall Heat Shrinkable Tubing

- Polyolefin material electrically insulates and protects in-line components, disconnect terminals and splices with its high strength and excellent resilience
- · Use to bundle wires for very flexible light-duty harnesses
- · Highly flame-retardant and flexible; resistant to common fluids and solvents
- Meets UL 224, CSA 22.2 125°C VW-1 600V; Material: No PBB's, PBBE's
- 2:1 shrink ratio; Minimum shrink temperature: 70°C;
 Operating temperature: -55°C to +125°C
- · RoHS compliant
- · UV resistant





Normal Size (in.)	Expanded I.D. (Min.)	Nominal Recovered I.D. (Max.)	Recovered Wall Thickness +/- 10%	Cable Range AWG*	Length (Pkg.)	Part No.
3/64	.047/1.2	0.024"/0.6mm	0.013"/0.33mm	22-18		46-600
1/16	.063/1.6	0.031"/0.8mm	0.014"/0.36mm	16	4 ft. (Disk)	46-601
3/32	.094/2.4	0.047"/1.2mm	0.017"/0.44mm	14-12		46-602
1/0	126/72	0.067" /1.6 ma ma	0.017"/0.//	27.20	6 in. (Bag)	46-310
1/8	.126/3.2	0.063"/1.6mm	0.017"/0.44mm	24-20	4 ft. (Disk)	46-603
7.00	100// 0	0.007.107	0.000"/0.50	20.1/	6 in. (Bag)	46-313
3/16	.189/4.8	0.094"/2.4mm	0.020"/0.56mm	20-14	4 ft. (Disk)	46-604
					6 in. (Bag)	46-316
1/4	.251/6.4	0.126"/3.2mm	0.022"/0.56mm	14-8	4 ft. (Disk)	46-605
					500 ft. (Spool)	46-318
5/16	.315/8.0	0.157"/4.0mm	0.022"/0.56mm	10-6	4 ft. (Disk)	46-606
	.374/9.5	0.185″/4.7mm	0.022*/0.56mm		6 in. (Bag)	46-319
3/8				8-4	4 ft. (Disk)	46-607
					200 ft. (Spool)	46-321
					6 in. (Bag)	46-322
1/2	.5/12.7	0.252"/6.4mm	0.026"/0.65mm 4-1	4-1	4 ft. (Disk)	46-608
				200 ft. (Spool)	46-324	
					6 in. (Bag)	46-325
3/4 .75	.751/19.1	0.374"/9.5mm	0.027"/0.80mm	2-250 MCM	4 ft. (Disk)	46-609
						200 ft. (Spool)
					6 in. (Bag)	46-328
1	1/25.4	0.500"/12.7mm	0.031"/0.90mm	2/0-500 MCM	4 ft. (Disk)	46-610
					100 ft. (Spool)	46-330

 $^{^*}$ Reference only - Consult the wire manufacturer's catalog for specific O.D. of wire and insulation.

Specifications



Property	Test Method	Typical Data
Tensile strength	ASTM D 638	14MPa
Elongation at break	ASTM D 638	600%
Elongation after aging at 175°C for 168 hours	UL 224	350%
Flammability	UL 224 VW-1	Pass
Heat shock (250°C/4 hours)	LH 227	No cracking
Cold bend test (-55°C/4 hours)	UL 224	No cracking
Dielectric strength	ASTM D 150	20KV/mm
Volume resistance	ASTM D 876	1014Ωcm
Copper corrosion		Pass
Chemical resistance	LII 22/	Pass
Longitudinal shrinkage	UL 224	O±5%
Eccentricity		30%

Thermo-Shrink® Heavy-Wall Heat Shrinkable Tubing

- · TS-46 irradiated cross-linked polyolefin with 3:1 standard shrink ratio
- Adhesive liner provides complete insulation and protection to electrical splices in above-grade, underground or underwater applications
- · Maximum flame retardant
- Meets UL 486D, CSA C22.2 No. 198.2, ANSI C119.1, Western Underground Guides Nos. 2.4, 2.5, MIL-DTL-23053/15, IEEE 383 Vertical Flame Test, ANSI C37.20.2, ICEA S-19-8 and NEMA insulation thickness requirements
- · Rated for 600V, 90°C continuous use

Model	Expanded I.D. (Min.) (In.)	Recovered I.D. (Max.) (In.)	Nominal Recovered Wall Thickness (In.)	Cable Range*	Length (In.)	Cat. No.
					6	46-343
TS-46-400	.400	.130	.070	12-8 AWG	9	46-344
					48	46-346
					6	46-347
TS-46-750	.750	.220	.090	6-2/0 AWG	9	46-348
					48	46-350
				1/0-3/0 AWG	6	46-351
TS-46-1100	1.100	.350	.120		9	46-352
					48	46-354
		.470 .160 2/0 AWG-350 KCMIL			9	46-356
TS-46-1500	1.500		12	46-357		
					48	46-358
	46-2000 2.000 .630 .160 250-500 KCMIL				9	46-369
TS-46-2000		18	46-371			
					48	46-372

^{*}Reference only. Consult the wire manufacturer's catalog for specific O.D. of wire and insulation.



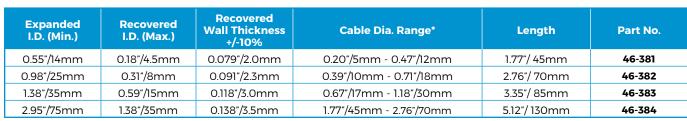
Specifications

Properties	Heavy Wall
Shrink Temperatures	120°C to 250°C (200°C recommended)
Continuous Operating Temperature	-55°C to 110°C
Tensile Strength (PSI)	2,100 PSI min.
Ultimate Elongation	600% min.
Secant Modulus @ 2% Strain	25,000 PSI max.
Specific Gravity	1.20 max.
Heat Aging, 168 hrs. @ 175°C Tensile Strength Elongation	500%
Heat Shock, 4 hrs. @ 225°C	No cracks, flowing or dripping
Flammability	Flame retardant
Low Temperature Brittle Point	-55°C
Volume Resistivity	1013ohm-cm min.
Dielectric Strength	500V/mil (20kV/min.)
Corrosive Effect	Non-corrosive
Solvent Resistance 24 hrs. Immersion per MIL-DTL-23053	Good to excellent
Water Absorption	0.2%
Fungus Resistance	No growth
Longitudinal Change, 3 min.	+1%/-10%

All values are typical performance data and are not to be used as design data.

Thermo-Shrink® Medium-Wall Heat Shrinkable Tubing End Caps

- · Creates a watertight seal to protect ends of power and control cords
- · Protects against oxidation, ozone, UV radiation, etc.
- · Coated with hot melt adhesive to ensure environment seal
- · Fits easily over end of cable
- · Protect power cables up to 1000V and telecommunication cable
- · Recommended for both open air and underground power distribution cables with PVC, lead or XLPE sheaths
- Thermally stabilized cross-linked polylefin, coated with specially designed hot melt adhesive³
- UV resistant



^{*}Consult the wire manufacturer's catalog for specific O.D. of wire and insulation.

Specifications

Property	Test Method	Typical Data
Operating Temperature	IEC 216	-55°C to +110°C
Tensile Strength	ASTM D 638	>14 MPa
Elongation at break	ASTM D 638	>400%
Density	ASTM D 792	1.05g/cm3
Elongation of break after again	150°C, 168 hrs.	>300%
Dielectric strength	IEC 243	>15KV/mm
Volume resistance	IEC 93	1014Ωcm



Heat Elite Heat Gun Kit

- Temperature range: 660°-930°F (300°-500°C)
- Two-step switch for heat and air flow adjustments
- Double-insulated power cord
- Ergonomic distribution of weight
- Comfortable nonslip handle for ease of use





Description	Part No.
Heat Elite Heat Gun Kit, 1200 Watts	46-202
Kit Includes:	Part No.
Heat Elite Heat Gun, 1200 Watts	46-202
Small Deflector, 1-1/4 in. diameter	46-941
Wide-Slot Adapter	45-954

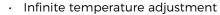
HEAT ELITE PRO™ Heat Gun Kit

- Temperature range: 180°F - 1020°F (80° - 550°C)
- Double-insulated power cord
- Ergonomic distribution of weight
- Comfortable non-slip handle for ease of use
- LCD display with memory functions
- Temperature and airflow adjustments
- Stand-by mode to minimize the energy consumption
- Ceramic heating element ensures long-term coil performance

Description	Part No.
HEAT ELITE PRO™ Heat Gun Kit, 1500 Watts	46-203
Kit Includes:	Part No.
HEAT ELITE PRO™ Heat Gun, 1500 Watts	46-203
Small Deflector	46-941
Reduction Adapter	46-950
Wide-Slot Adapter	46-954

Heat Elite Plus LCD Heat Gun Kit

- Temperature range: 180° - 1200°F (80° - 650°C)
- Two-step switch for heat and air flow adjustments
- Double-insulated power cord
- Ergonomic distribution of weight
- Comfortable non-slip handle for ease of use





Description	Part No.
Heat Elite Plus LCD Heat Gun Kit, 1500 Watts	46-204
Kit Includes:	Part No.
Heat Elite Plus LSD Heat Gun, 1500 Watts	46-204
Small Deflector	46-941
Welding Adapter	46-952
Solder Reflector Adapter	46-953
Overlap Adapter	46-955
Pressure Roller	46-956

Heat Gun Accessories









46-941

46-950 46-951

46-954

46-956



46-952 46-953 46-955

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Description	For Use With:	Part No.
Small Deflector, 1-1/4 in. diameter	46-202, 46-203, 46-204	46-941
Reduction Adapter	46-203, 46-204	46-950
Glass Protection Adapter	46-202, 46-203, 46-204	46-951
Welding Adapter	46-203, 46-204	46-952
Solder Reflector Adapter	46-204	46-953
Wide-Slot Adapter	46-202, 46-203, 46-204	46-954
Overlap Adapter	46-203, 46-204	46-955
Pressure Roller	46-204	46-956

LOCKOUT/TAGOUT

Your Safety is our #1 concern.

A leader in personal safety for professional electricians, IDEAL Safety, Health and Environment products comply with ASTM requirements and OSHA regulations.

Every day we are protecting lives with the products we provide from 1000 volt insulated tools to Lockout/Tagout equipment, Clamp Meters, S-Class® Fish Tapes, specialty connectors and more!

IDEAL continuously works on methods and equipment that provide the maximum in performance to assure your safety and health while delivering better environment solutions that leave a small footprint.

Training...essential in keeping you safe whatever the job.

The proper use of materials and tools can mean the difference to your personal safety and health. IDEAL provides state-of-the-art training to give you the best methods and utilization of this equipment through hands-on demonstrations, peer discussions and on-site applications.

Training consists of several proven methods

- · Lockout/Tagout Safety and Procedures
- · Arc Flash Safety and 1000V Insulated Tools
- · Test and Measurement Equipment and procedures

For more details on available training programs, contact your IDEAL sales representative.



Starter Lockout/Tagout Kit



- A starter selection of the lockout/tagout devices every electrician/maintenance person needs
- Small nylon zipper pouch features belt loops and d-rings for easy attachment to belts, tool pouches, tool carts and more

Description		Part No.
Starter Lockout/Tagout Kit		44-973
Kit Includes:	Qty.	Part No.
Universal Multi-Pole Lockout	1	44-783
1 in. Safety Lockout Hasp	1	44-800
Universal 277V Breaker/Single-Pole Lockout	1	44-809
110V Plug Lockout	1	44-818
Striped Lockout Tags - Do Not Operate	2	44-849
3/4 in. Shackle Red Padlock	1	44-906
Zipper Pouch	1	IA-3240

Quantities listed in kit description are for individual pieces, not carded packages.

Basic Lockout/Tagout Kit



- A great selection of the most popular lockout/ tagout devices
- Small nylon zipper pouch features belt loops and d-rings for easy attachment to belts, tool pouches, tool carts and more

Description		Part No.
Basic Lockout/Tagout Kit		44-970
Kit Includes:	Qty.	Part No.
Universal Multi-Pole Breaker Lockout	1	44-783
Wall Switch Lockout	1	44-789
1 in. Safety Lockout Hasp	1	44-800
480/600V Breaker Lockout	1	44-807
Universal 277V Breaker Lockout/Single Pole	1	44-809
Hinged Single-Pole Breaker Lockouts	2	44-810
110V Plug Lockout	1	44-818
Striped Lockout Tags - Do Not Operate	5	44-849
3/4 in. Red Padlock	1	44-906
Zipper Pouch	1	IA-3240

Quantities listed in kit description are for individual pieces, not carded packages.

Standard Lockout/Tagout Kit



- Excellent selection of lockout/tagout devices, tags and locks for maintenance workers or contractors
- Small nylon zipper pouch features belt loops and d-rings for easy attachment to belts, tool pouches, tool carts and more

Description		Part No.
Standard Lockout/Tagout Kit		44-971
Kit Includes:	Qty.	Part No.
Hinged Single-Pole Breaker Lockouts	3	44-810
Universal 277V Breaker Lockouts/Single Pole	2	44-809
480/600V Breaker Lockout	1	44-807
Wall Switch Lockout	1	44-789
110V Small Plug Lockout	1	44-818
2 in. Shackle Red Padlocks	2	44-907
1 in. Safety Lockout Hasps	2	44-800
Lockout Tags - Do Not Operate	5	44-848
Striped Lockout Tags – Do Not Operate	5	44-849
Cleat for 277V Breaker Lockout	1	44-785
Cleat for 480/600V Breaker Lockout	1	44-786
Universal Multi-Pole Breaker Lockouts	2	44-783
Zipper Pouch	1	IA-3240

Quantities listed in kit description are for individual pieces, not carded packages.

Job Site Lockout/Tagout Kit



- Perfect kit for individual workers; padlocks keyedalike for worker convenience
- Excellent selection of lockout/tagout devices, tags and keyed-alike padlocks for most applications

Description		Part No.
Job Site Lockout/Tagout Kit		44-979
Kit Includes:	Qty.	Part No.
Circuit Breaker Lockouts - tall and wide toggles	2	44-956
Circuit Breaker Lockouts - standard single and double toggles	3	44-957
Circuit Breaker Lockout Padlock	1	_
Red Lockout Padlocks	3	44-916**
1 in. Safety Lockout Hasp	1	44-800
Red Labeled Lockout	1	44-791*
Universal Wall Switch Lockout	1	44-772
Lockout Tags - Do Not Operate (striped)	12	44-833*
Tool Box*** (12 in. x 6 in. x 6 in.)	1	IA-3241

^{*}Master Lock® equivalent.

Master Lock® is a registered trademark of Master Lock Company LLC.

^{**}Reference part number is keyed-different, keyed-alike and master-keyed products can be special ordered by contacting IDEAL Customer Service.

^{***}Tool box color may vary.

Plant Facility Lockout/Tagout Kit



- Ideal for plant facility personnel to keep all lockout/tagout devices in one convenient place
- Polypropylene plastic tool box resists oil and chemicals

Description		Part No.
Plant Facility Lockout/Tagout Kit		44-972
Kit Includes:	Qty.	Part No.
Hinged Single-Pole Breaker Lockouts	5	44-810
Universal 277V Breaker/Single Pole Lockouts	3	44-809
480/600V Breaker Lockout	1	44-807
Wall Switch Lockouts	2	44-789
110V Plug Lockout	1	44-818
1 in. Safety Lockout Hasps	3	44-800
Red Labeled Lockout	1	44-791
220/550V Plug Lockout	1	44-819
Striped Lockout Tags - Do Not Operate	10	44-849
Fuse Blockout	1	44-815
Fuse Blockout	1	K-7349
Gate Valve Lockout	1	44-824
Cleat for 277V Breaker Lockout	1	44-785
Cleat for 480/600V Breaker Lockout	1	44-786
Universal Multi-Pole Breaker Lockouts	3	44-783
Tool Box* (12 in. x 6 in. x 6 in.)	1	IA-3241

Quantities listed in kit description are for individual pieces, not carded packages. *Tool box color may vary.

Industrial Lockout/Tagout Kit



- · An industrial selection of lockout/tagout devices
- Polypropylene plastic tool box resists oil and chemicals

Description		Part No.
Industrial Lockout/Tagout Kit		44-974
Kit Includes:	Qty.	Part No.
Hinged Single-Pole Breaker Lockouts	3	44-810
Universal 277V Breaker/Single Pole Lockouts	2	44-809
480/600V Breaker Lockout	1	44-807
Wall Switch Lockout	1	44-789
110V Small Plug Lockout	1	44-818
Ball Valve Lockout	1	44-820
1 in. Safety Lockout Hasps	2	44-800
Red Labeled Lockout	1	44-791
220/550V Plug Lockout	1	44-819
Striped Lockout Tags - Do Not Operate	10	44-849
Fuse Blockout	1	44-815
Fuse Blockout	1	K-7349
Gate Valve Lockout	1	44-824
Cleat for 277V Breaker Lockout	1	44-785
Cleat for 480/600V Breaker Lockout	1	44-786
Red Lockout Padlocks	4	44-916
Universal Multi-Pole Breaker Lockouts	2	44-783
Tool Box* (12 in. x 6 in. x 6 in.)	1	IA-3241

Quantities listed in kit description are for individual pieces, not carded packages. *Tool Box color may vary.

Group Lock Box

- · Helps ensure maximum security for complex work team situations
- Allows up to 13 individuals to personally lock the closed
- Heavy-duty steel construction resists unauthorized entry and job-site abuse
- · Compact 8-3/4 in. x 3-1/2 in. x 6 in. design



Personal Lockout/Tagout Pouch Kit



Easy to carry, zippered pouch holds a worker's personal padlocks and other small devices

Description		Part No.
Personal Lockout/Tagout Pouch Kit		44-969
Kit Includes:	Qty.	Part No.
1 in. Safety Lockout Hasp	1	44-800
Lockout Tags	12	44-833*
Red Safety Padlocks - Keyed Alike	3	44-916**
Personal Lockout Pouch	1	_

^{*}Master Lock® equivalent.

Master Lock® is a registered trademark of Master Lock Company LLC.

Industrial Lockout/Tagout Station



- Large Lockout/Tagout Station can be wall mounted or easily transported
- All metal, lockable cabinets come with two adjustable shelves
- Lockout safety tips are conveniently located inside of door for frequent reminders of proper lockout procedures

Description		Part No.
Industrial Lockout/Tagout Station (16 in. H x 16 in. W x 6 in. D)		44-975
Kit Includes:	Qty.	Part No.
Hinged Single-Pole Breaker Lockouts	2	44-810
Universal Single-Pole Breaker Lockouts	2	44-809
Cleat for Universal Single-Pole Lockouts	2	44-785
Universal Multi-Pole Breaker Lockouts	2	44-783
480/600V Breaker Lockout	1	44-807
Cleat for 480/600V Breaker Lockout	1	44-786
Wall Switch Lockout	1	44-789
1 in. Safety Lockout Hasps	3	44-800
Red Safety Padlocks	4	44-916
100V Small Plug Lockout	1	44-818
220/550V Plug Lockout	1	44-819
Lockout Tags - Do Not Operate	10	44-849
Gate Valve Lockout - 1 in. to 2-1/2 in.	1	44-824
Gate Valve Lockout - 2-1/2 in. to 5 in.	1	44-825
Ball Valve Lockout	1	44-820
Pneumatic Lockout	1	44-774
Cabinet	1	IA-4989

Quantities listed in kit description are for individual pieces, not carded packages.

^{**}Keyed alike and master keyed padlocks can be special ordered by contacting IDEAL Customer Service.

Lock Stations





44-778

44-806

- Resilient polycarbonate material provides twice the heat resistance and quadruple the impact strength of typical stations
- Lockable cover prevents loss of valuable safety products and innovative hinge holds cover open for easy product selection

Description		Part No.
Four-Lock Station Kit		44-778
Kit Includes:	Qty.	Part No.
Four-Lock Station Board	1	_
Safety Padlocks, Red	4	44-916
Heavy-Duty Lockout Tags	12	_
1 in. Safety Lockout Hasps	2	44-800

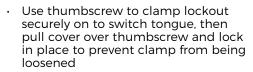
Description		Part No.
Ten-Lock Station Kit		44-806
Kit Includes:	Qty.	Part No.
Ten-Lock Station Board	1	44-805
Safety Padlocks, Red	10	44-916
Heavy-Duty Lockout Tags	24	_
1 in. Safety Lockout Hasps	2	44-800

Hinged Single-Pole Breaker Lockouts

- Hinged single-pole lockout with locking post design, locks lever in off position to isolate and prevent breaker use
- VV
- Ideal for applications where panel closure is preferred

Description	Quantity	Part No.
Hinged Single-Pole Breaker Lockouts	3	44-810
	100	44-1810

Universal 120/277V Breaker Lockouts





· Blade design provides tighter grip with less torque on thumbscrew

Description	Quantity	Part No.
Single-Breaker Lockouts	3	44-809
Cleat for Single-Pole Breaker Lockouts	3	44-785
Single-Pole Breaker Lockouts	50	44-1809

480/600V Single/Multi-Pole Breaker Lockouts

 Use thumbscrew to clamp lockout securely on to switch tongue, then pull cover over thumbscrew and lock in place to prevent clamp from being loosened

 Blade design provides tighter grip with less torque on thumbscrew

Description	Quantity	Part No.
480/600V Single/ Multi-Pole Lockout	1	44-807
480/600V Single/Multi-Pole Lockouts	50	44-1807
Cleat for 480/600V Single/Multi-Pole Lockouts	2	44-786

Large Breaker Lockout

- Designed to lockout large 480/600V breaker switches up to 2-1/2 in. wide and 7/8 in. thick
- · Easy to install no tools required



Description	Quantity	Part No.
Large Breaker Lockout	1	44-823

Multi-Pole Breaker Lockout

 Works with most major multi-pole breakers with tie-bar type switches from major brands including GE, ITE Sylvania, Challenger, Bryant, Westinghouse, SQUARE D (2/3 poles) and General Switch Co.



 Easy to install – thumbscrew secures and locks tie bar in place; no cable ties or tools required

Description	Quantity	Part No.
Multi-Pole Breaker Lockout	1	44-783

Oversized Circuit Breaker Lockout System

- Unique Lockout system for over-sized 480/600V Circuit Breakers
- System can be permanently installed into an electrical panel putting all lockout
- items at the point of need
- · Easy installation of adhesive mounting rails no tools required
- Pegs in mounting rails mate with holes in locking arms for security of arm when lock is in
- Red arms lock off, green arms lock on

Description	Quantity	Part No.
Oversized Circuit Breaker System	1	44-822

Circuit Breaker Lockouts





44-956

44-957

- Attaches securely to breaker with simple thumb turn and clamping handle
- 44-956 is designed for breakers with wide or tall
- 44-957 fits standard height and tie-bar toggles
- The narrow profile permits side-by-side breaker lockout

Description	Part No.
Cincol Burdon Lodon	44-956
Circuit Breaker Lockout	44-957

Plug Lockouts

Accommodates a variety of electrical plug and cord sizes to prevent accidental connection or disconnection



- 44-819
- · Durable plastic body resists wear, chemicals and job-site abuse
- Accommodates cable ties or padlocks (with up to 3/8 in. shackles)

Description	Size (in.)	Part No.
Plug Lockout - 100V	2 x 2 x 3-1/2	44-818
Plug Lockout - 220/550V	3-1/4 x 3-1/4 x 7	44-819

Circuit Breaker Lockout System

- · Covers most 120V 277V breakers
- Works on wide range of breakers. including single- and multi-pole configurations
- Makes use of unique lock rail system, providing the following benefits:
 - Allows panel door to be closed even when lockouts are in place
 - Accommodates multiple locks, facilitating group lockout activity without hasps
 - Snap-on - Keeps weight off the breakers, protecting delicate electrical components from damage
 - Positions locks and tags outside the panel, making sure lockout activity is clearly visible to anyone in the area
- Technical Information
 - Lockout devices constructed of high-impact Isoplast polymers
 - Cables are 2 ft. in length
 - Lock rails made of durable isoplast polymers with acrylic adhesive backing
- **Snap-on** For use on Square D NQO and other breakers that have a hole in the switch tongue. Just align pins with hole and snap closed. Pins prevent switch from being thrown.
- Clamp-on For use on breakers that do not have a hole in the switch tongue, including multiple breakers with tie bars. Turn thumb-screw to clamp lockout securely onto switch, then snap the cover closed to prevent thumb wheel from being loosened.

Description	Quantity	Part No.
Clamp-on lockout for breakers without hole in the switch tongue, including multi-pole breakers with tie bars		44-764
Snap-on lockout for Square D NQO and other breakers with a hole in the switch tongue	1	44-768
4 in. Lock Rail with seven lock loops		44-769

Plug Lockouts

- Plug lockout, 44-792 works with high and low voltage plugs up to 3 in. in diameter and 5-1/2 in. in length, up to 1-1/4 in. cord diameter
- Plug lockout, 44-973 works with 110V/220V plugs up to 1-3/4 in. in diameter and 2-1/2 in. in length, up to a 1/2 in. cord diameter

Description	Part No.
Plug Lockout	44-792
Plug Lockout	44-793

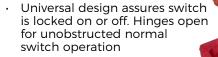
Electric Plug Lockout

- Slides over cord prongs and locks in place to prevent cord from being plugged into an outlet
- Cannot be removed without key
- Works on any 2- or 3-prong plug



Wall Switch Lockouts

· Universal Wall Switch Lockout locks out both toggle and Decora® wall switches



Standard wall switch lockout fits most wall-mounted single or three-way electrical switches



44-789

Description	Quantity	Part No.
Universal Wall Switch	_	44-772
Standard Wall Switch	l	44-789

Decora® is a registered trademark of Leviton Manufacturing Co., Inc.

Cable Lockout

Unique hasp lockout device accepts up to six 9/32 in. padlocks and comes with a 6 ft. plastic-coated steel cable



Description	Part No.
Cable Lockout, 6 ft. cable	44-829

Ball Valve Lockout Devices

Best available method for locking out ball valves

(not shown)

(not shown)

1-1/4 to 3

- Patented design fits most major brand ball valves
- Designed to lock in off position only

9/32 in.

Complies with OSHA lockout standard			44-847
Valve Size	Max. Shackle Length	Material	Part No.
1/2 to 1-1/4 in.		Polypropylene	44-846
1-1/4 to 3	_	Polypropylene	44-847
1/4 to 1		Nylon	44-820

Nylon

Heavy Steel

44-821

Adjustable Cable Lockout

- Infinitely adjustable safety hasp and cable
- Ideal for multiple circuit breaker panels and side-by-side gate valve lockouts
- Feed the cable end through the points to be locked out, then back through the lockout body. Cinch it tight to remove any slack with the patented locking feature.
- Tough, flexible multi-stranded 6 ft. 1/4 in. dia. steel cable is insulated with a clear vinyl coating
- Tough, lightweight, dielectric thermoplastic body withstands chemicals; performs effectively in extreme conditions
- Up to four workers can apply their personal safety
- Complete with high-visibility, re-usable, write-on safety labels (English, French & Spanish). Identify the responsible person, then erase for the next job.

Description	Part No.
Adjustable Cable Lockout	44-808

Gate Valve Lockouts



- Unique patent pending rotating design allows for easier installation in confined space applications
- Each size rotates into itself and nests within the next larger size to save space in storage
- Up to four workers can apply their personal safety
- Complete with high-visibility permanent safety labels (English, French & Spanish) that can be written on to identify the responsible person, then erased for the next job
- Tough, lightweight, dielectric thermoplastic bodies withstand chemicals and perform effectively in extreme conditions, temperature range: -50°F (-46°C) to +350°F (177°C)

Valve Size	Quantity	Part No.
1 in. to 3 in.		44-824
2 in. to 5 in.	1	44-825
Set of five sizes (1 in. to 13 in.)		44-817

Steel Padlocks

- Rustproofed, steel case with nickelplated shackle withstands abuse and environmental hazards
- · Includes two keys
- · 1-1/2 in. wide lock with 9/32 in. shackle diameter
- Keyed-alike and Master Lock® Keyed locks available by special order

Bumper Color	3/4 In. Shackle Clearance Part No.	2 In. Shackle Clearance Part No.
Blue	44-900	44-901
Red	44-906	44-907

Master Lock® is a registered trademark of Master Lock Company LLC.

Safety Lockout Padlocks w/Key Retention

- Dedicated safety lockout device reduces confusion with other locks
- Complies with OSHA's "1-key, 1-lock"
- Non-conductive, lightweight body; four colors for easy identification
- Key retention ensures keys do not get lost while not in use and that padlocks are not left untouched
- 1-1/2 in. shackle clearance; 1-1/2 in. wide lock with 1/4 in. shackle
- Keyed-alike, Master Lock® Keyed locks, 2nd key, additional colors and engraving available by special order

Bumper Color	Part No.
Blue	44-912
Black	44-914
Red	44-916
Yellow	44-918

Master Lock® is a registered trademark of Master Lock Company LLC.

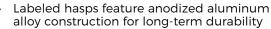
Lock Labels

- Easy identification of employees' locks
- Write-on, vinyl labels with peel-off adhesive backing
- · Polyester over laminate protects label

Description	Quantity	Part No.
Lock Labels	8 labels	44-898

Safety Lockout Hasps





•	•	•	
Description	Jaw Diameter	Quantity	Part No.
Safety Lockout Hasp	1 in.	3	44-800
	1-1/2 in.	2	44-801

Labeled Safety Lockout Hasps

- Allow up to six workers to lock out a single energy source
- Permanent "Do Not Operate" labels accept pens, pencils and permanent markers

Description	Quantity	Part No.
Labeled Safety Lockout Hasp - Do Not Operate, Blue	1	44-790
Labeled Safety Lockout Hasp - Do Not Operate, Red	1	44-791
Labeled Safety Lockout Hasp - Do Not Operate, Red	50	44-1791

Heavy-Duty Lockout Tags







- · High-visibility lettering
- Laminated plastic tags have non-fade legends, resist corrosive and harsh environmental conditions grommet
- Vinyl tags are silk screened with a 7/8 in. metal grommet; fastener included
- · Exceeds OSHA's 50-lb. pullout requirement
- · Matte finish for easy writing surface

Description	Туре	Qty.	Part No.
Heavy-Duty	Heavy-Duty	5/card	44-830
Lockout Tag -	Laminated	100/box	44-1830
Do Not Operate	Economy Vinyl	25/bag	44-848
Heavy-Duty Lockout Tag – Do Not Operate - Electricians at Work	Heavy-Duty Laminated	5/card	44-832
	Economy Vinyl	25/bag	44-843
Heavy-Duty	Heavy-Duty	5/card	44-833
Lockout Tag -	Laminated	100/box	44-1833
Do Not Operate - (red striped background)	ed Fconomy Vinyl		44-849

Bilingual Lockout Tags

- Spanish/English tags provide extra safety and information in bilingual situations
- · High-visibility lettering
- Laminated vinyl tags with non-fade legends resist corrosive and harsh environmental conditions



 Write-on tag with 7/8 in. grommet can be padlocked to device to help prevent unauthorized removal

Description	Quantity	Part No.
Bilingual Lockout Tags - Do Not Operate (striped)	5	44-841

Flash Protection Labels and Signs







44-893

44-89

44-896

National Electric Code 110.16 Flash Protection: Switchboards, panel boards, industrial control panels and motor control centers, in other than dwelling occupancies, that are likely to require examination, adjustment, servicing or maintenance while energized, shall be field marked to warn qualified persons of potential electric arc flash hazards. The marking shall be located so as to be clearly visible to qualified persons before examination, adjustment, servicing or maintenance of the equipment.

Description	Туре	Size	Qty.	Part No.
NEC Arc Flash, Warning		7.1/2 : 5 :	5	44-892
NEC Arc Flash, Warning		3-1/2 in. x 5 in.	100	44-892BK
NEC Arc Flash, Warning	Self-	F : 7 :	5	44-893
NEC Arc Flash, Warning	Sticking Polyester	5 in. x 7 in.	5	44-894
NEC Arc Flash, Danger		4 in. x 6 in.	5	44-895
NEC Arc Flash, Warning		7 in. x 10 in.	1	44-896

Lockout Signs







 Resistant to both chemicals and abrasion protected graphics for indoor and outdoor use

Legend	Material	Size (In.)	Part No.
Lockout Sign - OSHA Regulation, 36 in. clearance	Self-sticking	3-1/2 x 10	44-877
Lockout Sign - OSHA Regulation (Bilingual) 36 in. clearance	polyester	7 x 10	44-878
Lockout Sign – Danger- Breakers Locked Out	Magnetic	5 x 7	44-890

Safety Signs

Resistant to both chemicals & abrasion — protected graphics for indoor & outdoor use



Legend	Material	Size (In.)	Part No.
Safaha Sima - Danasa	Fiberglass	10 x 14	44-862
Safety Sign – Danger– High Voltage	Self-Sticking Polyester	7 x 10	44-863
Sefeto Simo - December	Fiberglass	10 x 14	44-880
Safety Sign – Danger– High Voltage–Keep Out	Self-Sticking Polyester	7 x 10	44-881
Safety Sign – Danger- High Voltage-Spanish	Self-Sticking Polyester	7 x 10	44-865

Voltage & Conduit Markers

44-289

44-299



277/480 VOLTS 277/480 VOLTS 277/480 VOLTS 277/480 VOLTS



44-410

- Identify junction boxes, switches, circuit breakers, raceways, pipe and fuse boxes
- · Non-conductive for user safety
- · High-adhesion properties with easy removal
- Resist abrasion, moisture, dirt and oil
- Non-smear, black legend on bright orange background for high visibility
- Specifications: Temperature Range: -40°F to 180°F (-40°C to 82°C)

Adhesion: 45 oz./in. width ultimate

Description	Large Part No. (2-1/4 in. x 9 in.) 1/card	Medium Part No. (1-1/8 in. x 4-1/2 in.) 4/card	Small Part No. (2-1/4 in. x 1/2 in.) 18/card
120/208V	44-295	44-296	_
277/480V	44-298	44-299	-
120V	-	44-353	-
208V	_	44-355	-
240V	_	44-358	-
277V	-	-	44-410
480V	44-314	44-364	-
Danger	44-289	_	_
High Voltage	44-292	-	-

Detectable Underground Tapes

42-201





- · Solid aluminum foil core tapes for protection, location and identification of underground utility installations
- · Meets or exceeds industry standards including the American Public Works Association (APWA) color code
- · Formulated to resist degradation from acid and alkali found in soils
- · Lead-free pigments and organic lead-free ink

Description	Color	Size	Part No.
Detectable Underground Tape - Caution Buried Electric Line Below	Dad	3 in. x 1,000 ft.	42-201
Detectable Underground Tape - Caution Buried Electric Line Below	Red	6 in. x 1,000 ft.	42-251
Detectable Underground Tape - Caution Buried Fiber Optic Line Below	Orange	6 in. x 1,000 ft.	42-252

Specifications:			
Property	Method	Value	
Thickness	ASTMD2103	5.0 Mils	
Elongation	ASTMD882-75B	80%	
Composition	IDEAL Specs.	Bottom Layer PE; Top layer PET; Foil industry standard	
Tensile Strength	ASTMD882	32 lbs./in. (15,000 PSI)	

Non-Detectable Underground Tapes









- · For protection, location and identification of underground utility installations
- · Formulated to resist degradation from acid and alkali found in soils
- · Lead-free pigments and organic lead-free ink
- Recommended Burial Depth: 3 in. Tape 4 to 6 in.
 6 in. Tape less than 12 in.

Description	Color	Size	Part No.
Non-Detectable Underground Tape - Caution Buried Electric Line Below	Red		42-101
Non-Detectable Underground Tape - Caution Buried Electric Line Below	Yellow		42-102
Non-Detectable Underground Tape - Caution Buried Telephone Line Below	0	3 in. x 1,000 ft.	42-103
Non-Detectable Underground Tape - Caution Buried Fiber Optic Line Below	Orange		42-104
Non-Detectable Underground Tape - Caution Buried Electric Line Below	Red	S in 1,1000 ft	42-151
Non-Detectable Underground Tape - Caution Buried Electric Line Below	Yellow	6 in. x 1,000 ft.	42-152

Specifications:			
Property	Method	Value	
Thickness	ASTMD2103	4.0 Mils	
Elongation	ASTMD882-75B	500%	
Composition	IDEAL Specs.	LDPE	
Tensile Strength	ASTMD882	2,750 PSI	

Barricade Tapes

42-002 42-003 42-051







- · High-visibility safety yellow or red polyethylene construction with bold black letters
- Meets OSHA specifications Section 1010.144 for marking physical hazards

Description	Color	Size	Thickness	Part No.
Barricade Tape - Caution				42-001
Barricade Tape - Caution Do Not Enter	Yellow			42-002
Barricade Tape - Caution High Voltage		3 in. x 1,000 ft.	4.0 Mils	42-003
Barricade Tape - Danger High Voltage				42-051
Barricade Tape – Danger High Voltage Keep Out	Red			42-052
Barricade Tape - Caution Do Not Enter	Yellow		2.0 Mils	42-012

Specifications:			
Property	Method	Value	
Elongation	ASTMD882-75B	<u>≥</u> 400%	
Composition	IDEAL Specs.	LDPE	
Tensile Strength	ASTMD882	2,350 PSI TD; 1,893 PSI MD	

Python™ Adjustable Locking Cable

Python™ Adjustable Locking Cable secures anything within its grasp. The only locking cable that is right length for your application. This patented product holds flexible steel cable tight at any position.

- Infinite Locking Positions Patented lock holds cable tight from 1 ft. (30cm) to 6 ft. (1.8m)
- · Application Flexibility Interchangeable cables
- · Keyed Alike Convenience Rekeyable cylinder
- · Cut Resistance 3/8 in. (10mm), 100% steel braided cable
- · Weather Tough Rust resistant aluminum lock body
- · Scratch Resistant Vinyl cable sleeve and lock body bumper

Other Applications: Bikes, lawn furniture, lawn mowers, job sites, canoes, boats, skis, snowboards, generators, pickup truck cargo, spare tire locks and much more.



Master Lock $^{\circ}$ is a registered trademark of Master Lock Company LLC. Python $^{\text{TM}}$ is a trademark of Master Lock Company LLC.



				IDEAL									
				Standard Br	eaker Lockou	ts					EZ Panel Loc™		
Mfg.	Breaker Classification	Breaker Type	# of Poles	1-Pole Snap-On (w/hole) 44-810	120/277V Clamp On (no hole) 44-809	Cleat for #65396 44-785	480/600V Clamp On (no hole) 44-807	Cleat for #65397 44-786	Oversize 480/660V 44-823	Multi-pole w/tie bar 44-783	Snap On (SQD QO) 44-768	Clamp On (universal) 44-764	
Airpax		Airpax	1										
American Switch		С	1										
Bryant		BR	1										
Challenger		С	1										
Challenger	Type C	С	2-3										
Challenger	Same as W DK	CDK											
Challenger		LM	1										
Challenger		NEJ	1-2										
Crouse Hinds		MP	2										
Cutler Hammer		BA	1										
Cutler Hammer		СН	2-3										
Cutler Hammer		CH2	4										
Cutler Hammer		СНВ	3										
Cutler Hammer	Quicklag	BAB	1										
Cutler Hammer	Quicklag	BAB	2-3										
Cutler Hammer	BR	BD	1										
Cutler Hammer	BR	BR	1										
Cutler Hammer	BR	BR	2-3										
Cutler Hammer	BR	BRH	1										
Cutler Hammer	BR	BRH	2-3										
Cutler Hammer	BR	BRHH	2										
Cutler Hammer	СН	СН	1										
Cutler Hammer	СН	СН	2-3										
Cutler Hammer	СН	CH2	4										
Cutler Hammer	СН	СНВ	1										
Cutler Hammer	СН	СНВ	2-3										
Cutler Hammer	K-Frame	CHKD	2-3										
Cutler Hammer	L-Frame	CHLD	2-4										
Cutler Hammer	M-Frame	CHMDL	2-3										
Cutler Hammer	N-Frame	CHND	2-4										
Cutler Hammer	СН	CHP	1										
Cutler Hammer	СН	CHP	2-3										
Cutler Hammer	СН	CHQ	1										
Cutler Hammer	СН	CHQ	2										
Cutler Hammer	СН	CHSW	2-3										
Cutler Hammer	K-Frame	CKD	2-3										
Cutler Hammer	CL	CL	1										
Cutler Hammer	CL	CL	2										
Cutler Hammer	L-Frame	CLD	2-4										
Cutler Hammer	CL	CLR	1-2										
Cutler Hammer	M-Frame	CMDL	2-3										
Cutler Hammer	N-Frame	CND	2-4										
Cutler Hammer	N-Frame	CNDC	2-4										
Cutler Hammer	СН	CSR	1										
Cutler Hammer	K-Frame	DK	2-3										
Cutler Hammer	E125-Frame	E125B											
Cutler Hammer	E125-Frame	E125E											
Cutler Hammer	E125-Frame	E125H											
Cutler Hammer	E125-Frame	E125S											
Cutler Hammer	F-Frame	ED	2-4										
Cutler Hammer	F-Frame	EDC	2-4										
Cutler Hammer	F-Frame	EDH	2-4										
Cutler Hammer	E125-Frame	EFH	1-4										
Cutler Hammer	E125-Frame	EGB	1-4										
Cutler Hammer	E125-Frame	EGE	1-4										
Cutler Hammer	E125-Frame	EGS	1-4										
Cutler Hammer		EHC											
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				IDEAL								
					andard Breaker Lockouts EZ Panel Loc							
Mfg.	Breaker Classification	Breaker Type	# of Poles	1-Pole Snap-On (w/hole) 44-810	120/277V Clamp On (no hole) 44-809	Cleat for #65396 44-785	480/600V Clamp On (no hole) 44-807	Cleat for #65397 44-786	Oversize 480/660V 44-823	Multi-pole w/tie bar 44-783	Snap On (SQD QO) 44-768	Clamp On (universal) 44-764
Cutler Hammer	F-Frame	EHD	1-4									
Cutler Hammer	Tri Pac Cur. Lim	FB	2-3									
Cutler Hammer		FC										
Cutler Hammer	F-Frame	FD	1-4									
Cutler Hammer	F-Frame	FDB	2-4									
Cutler Hammer	F-Frame	FDC	2-4									
Cutler Hammer	F-Frame	FS	2-3									
Cutler Hammer	G-Frame	GB	1-3									
Cutler-Hammer	G-Frame	GC	1-3									
Cutler Hammer	L-Frame	LDB	2-3 2-4									
Cutler Hammer Cutler Hammer	L-Frame	LH	3									
Cutler Hammer		LHB	3									
Cutler Hammer	Type CC	LJ	Ė									
Cutler Hammer		MA	2-3									
Cutler Hammer		MC	2-3									
Cutler Hammer	M-Frame	MD	2-3									
Cutler Hammer	M-Frame	MDL	2-3									
Cutler Hammer Cutler Hammer	M-Frame Tri Pac Cur. Lim	MDS NB	2-3 2-3									
Cutler Hammer	N-Frame	ND ND	2-3									
Cutler Hammer	N-Frame	NDC	2-4									
Cutler Hammer	N-Frame	OPTIM	3									
Cutler Hammer	Tri Pac Cur. Lim	PB	2-3									
Cutler Hammer	Quicklag	QBGF	1									
Cutler Hammer	Quicklag	QBGF	2									
Cutler Hammer	Quicklag	QBGFEP	1									
Cutler Hammer Cutler Hammer	Quicklag Quicklag	QBGFEP QBHGF	2									
Cutler Hammer	Quicklag	QBHGFEP	1									
Cutler Hammer	Quicklag	QBHW	1									
Cutler Hammer	Quicklag	QBHW	2-3									
Cutler Hammer	Quicklag Type P	QC	1									
Cutler Hammer	Quicklag Type P	QC	2-3									
Cutler Hammer	Quicklag Type P	QCD	1									
Cutler Hammer Cutler Hammer	Quicklag Type P Quicklag	QCD QCGF	2-3									
Cutler Hammer	Quicklag	OCGFFP	1									
Cutler Hammer	Quicklag	QCHGF	1									
Cutler Hammer	Quicklag	QCHGFEP	1									
Cutler Hammer	Quicklag	QCHW	1									
Cutler Hammer	Quicklag	QCHW	2-3									
Cutler Hammer	Quicklag	QHCW	1 2 2									
Cutler Hammer Cutler Hammer	Quicklag Quicklag	QHCW QHCX	2-3									
Cutler Hammer	Quicklag	QHCX	2-3									
Cutler Hammer	Quicklag	QHPW	1									
Cutler Hammer	Quicklag	QHPW	2-3									
Cutler Hammer	Quicklag	QHPX	1									
Cutler Hammer	Quicklag	QHPX	2-3									
Cutler Hammer	Ground Fault	QPGF QPGF	2									
Cutler Hammer Cutler Hammer	Ground Fault	QPGFEP	1									
Cutler Hammer	G. Sunu i duit	QPGFEP	2									
Cutler-Hammer	Ground Fault	QPHGF	1									
Cutler-Hammer	Ground Fault	QPHGFEP	1									
Cutler-Hammer	Quicklag	QPHW	1									
Cutler-Hammer	Quicklag	QPHW	2-3									
Fed. Pacific Elec.		BAB	1									
Fed. Pacific Elec. Fed. Pacific Elec.		NA-single NA-tie bar	3									
Fed. Pacific Elec.		NA-lie bai	1									
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Fed. Pacific Elec. Frank Adams FA Q General Electric Figure Service Figure Se	eaker ification	Breaker Type	# of Poles	Standard Bro 1-Pole Snap-On	eaker Lockout	ts					EZ Panel Loc	TM		
Fed. Pacific Elec. Frank Adams FA Q General Electric Figure Service Figure Se		Туре			120/277V							EZ Panel Loc™		
Fed. Pacific Elec. Frank Adams FA Q General Electric Ste General Electric Tri General Electric Electric Mag General Electric E General Electric F		MOULOEL	Poles	(w/hole) 44-810	Clamp On (no hole) 44-809	Cleat for #65396 44-785	480/600V Clamp On (no hole) 44-807	Cleat for #65397 44-786	Oversize 480/660V 44-823	Multi-pole w/tie bar 44-783	Snap On (SQD QO) 44-768	Clamp On (universal) 44-764		
Fed. Pacific Elec. Frank Adams FA Q General Electric General Electric General Electric General Electric General Electric General Electric Tri General Electric General Electric General Electric Tri General Electric General Electric General Electric Tri General Electric Tri General Electric General Electric Tri General Electric Tri General Electric General Electric Tri General Electric Tri General Electric General Electric Tri General Electric General Electric General Electric General Electric General Electric Egeneral Electric General Electric Feneral Electric General Electric General Electric Feneral Electric General Electric Feneral Electric General Electric Feneral Electric		NBH GFI	1											
Fed. Pacific Elec. Frank Adams FA Q General Electric General Electric General Electric General Electric General Electric Tri General Electric General Electric General Electric Tri General Electric Egeneral Electric Egeneral Electric Egeneral Electric Feneral Electric		NE/NEF												
Fed. Pacific Elec. Frank Adams FA Q General Electric St General Electric Tri General Electric Mag General Electric Mag General Electric E General Electric F General		NEJ												
Fed. Pacific Elec. Fed. Pacific Elec. Fed. Pacific Elec. Fed. Pacific Elec. Frank Adams FA Q General Electric St General Electric Tri General Electric Mag General Electric Mag General Electric E General Electric F G General Electric F G G G G G G G G G G G G G G G G G G G		NFJ NJJ												
Fed. Pacific Elec. Fed. Pacific Elec. Frank Adams FA Q General Electric Ty General Electric SE General Electric SE General Electric SF General Electric SF General Electric SF General Electric Tri General Electric Mag General Electric Mag General Electric E General Electric F G General Electric F G General Electric F G G G G G G G G G G G G G G G G G G G		NJL												
Fed. Pacific Elec. Frank Adams FA Q General Electric Ty General Electric SE General Electric SE General Electric SF General Electric SF General Electric SF General Electric SF General Electric Tri General Electric Mag General Electric Mag General Electric Mag General Electric E General Electric F G General Electric F G General Electric F G G G G G G G G G G G G G G G G G G G		NM												
General Electric SE General Electric SF General Electric SF General Electric SF General Electric Tri General Electric Tri General Electric Tri General Electric Tri General Electric Mag General Electric Mag General Electric Mag General Electric Mag General Electric E General Electric Mag General Electric E General Electric F General Electric E General Electric E General Electric E General Electric F G General Electric F G G G G G G G G G G G G G G G G G G G		NP-single	1											
General Electric SE General Electric SF General Electric SF General Electric Tri General Electric Mag General Electric Mag General Electric Mag General Electric Mag General Electric E General Electric Mag General Electric E General Electric E General Electric E General Electric F General Electric E General Electric F	Quicklag	P	1											
General Electric SE General Electric SE General Electric SF General Electric SF General Electric SF General Electric SF General Electric Tri General Electric Mag General Electric Mag General Electric Mag General Electric E General Electric F	уре С	HQC	3											
General Electric SE General Electric SF General Electric SF General Electric SF General Electric SF General Electric Tri General Electric Mag General Electric Mag General Electric Mag General Electric E General Electric F	SE150	SED	2-3											
General Electric SE General Electric SF General Electric SF General Electric SF General Electric Tri General Electric Mag General Electric Mag General Electric E General Electric F	SE150	SEH	2-3											
General Electric SF General Electric SF General Electric Tri General Electric Mag General Electric Mag General Electric E General Electric F	SE150	SEL SEP	2-3											
General Electric SF General Electric Tri General Electric Mag General Electric Mag General Electric Mag General Electric E General Electric F	SE150 SF250	SFH	2-3 2-3											
General Electric SF General Electric Tri General Electric Mag General Electric Mag General Electric E General Electric F	SF250	SFL	2-3											
General Electric Tri General Electric Mag General Electric Mag General Electric E General Electric Mag General Electric E General Electric E General Electric E General Electric F	SF250	SFP	2-3											
General Electric Tri General Electric Tri General Electric Mag General Electric Mag General Electric Mag General Electric E General Electric Mag General Electric E General Electric E General Electric E General Electric F	i Break	TB1												
General Electric Tri General Electric Mag General Electric Mag General Electric Mag General Electric E General Electric Mag General Electric E General Electric E General Electric E General Electric F	i Break	TB4												
General Electric Mag General Electric Mag General Electric Mag General Electric E General Electric Mag General Electric E General Electric E General Electric F	i Break	TB6												
General Electric Mag General Electric E General Electric Mag General Electric E General Electric E General Electric F	i Break	TB8												
General Electric Mag General Electric E General Electric Mag General Electric E General Electric E General Electric E General Electric E General Electric F	ig Break	TBC4												
General Electric E General Electric Mag General Electric E General Electric E General Electric E General Electric F	ig Break	TBC6												
General Electric E General Electric E General Electric E General Electric E General Electric Mag General Electric E General Electric E General Electric E General Electric E General Electric Mag General Electric F:	ig Break	TBC8 TE	1.0											
General Electric E General Electric E General Electric E General Electric Mag General Electric E General Electric E General Electric E General Electric Mag General Electric F:	E150 E150	TEB	1-3 1-3											
General Electric Figure 1	E150	TED	1-3											
General Electric Mag General Electric E General Electric E General Electric Mag General Electric F General Electric F General Electric F	2100	TEF	1-3											
General Electric E General Electric E General Electric Mag General Electric F General Electric F General Electric F	E150	TEL	3											
General Electric E General Electric Mag General Electric F: General Electric F: General Electric F:	ıg Break	TEML	3											
General Electric Mag General Electric F: General Electric F: General Electric F:	E150	TEY	1-3											
General Electric F. General Electric F. General Electric F.	E150	TF	1-3											
General Electric F. General Electric F.	ig Break	TFC	3											
General Electric F.	F225	TFJ	2-3											
	F225 F225	TFK TFL	2-3 3											
General Electric Like	ke TED	THED	1-3											
	ke TED	THEF												
General Electric F.	F225	THFK	2-3											
General Electric Q	Q Line	THHQB	2-3											
General Electric Q	Q Line	THHQB-A	1											
	Q Line	THHQB-S	1											
) Line	THHQC	1-3											
) Line	THHQC-A	1											
	Q Line Q Line	THHQC-S THHQL	1 2-3											
	Q Line	THHQL-A	1											
	Q Line	THHQL-S	1											
	J600	THJK4	2-3											
	J600	THJK6	2-3											
General Electric K1	(1200	THKM12	2-3											
	(1200	THKM8	2-3											
	C Current imiting	THLC1	3											
LIII	Q Line	THQB	2-3											
	2 Line	THQB-A	1											
	Q Line	THQB-S	1											
) Line	THQC	2-3											
General Electric Q) Line	THQC-A	1											
) Line	THQC-AL	2-3											
) Line	THQC-S	1											
) Line	THQD	2-3											
	Q Line Q Line	THQDBL THQL	3 2-3											

				IDEAL									
					eaker Lockou	ts					EZ Panel Loc™		
Mfg.	Breaker Classification	Breaker Type	# of Poles	1-Pole Snap-On (w/hole) 44-810	120/277V Clamp On (no hole) 44-809	Cleat for #65396 44-785	480/600V Clamp On (no hole) 44-807	Cleat for #65397 44-786	Oversize 480/660V 44-823	Multi-pole w/tie bar 44-783	Snap On (SQD QO) 44-768	Clamp On (universal) 44-764	
General Electric	Q Line	THQL-A	1										
General Electric	Q Line	THQL-S	1										
General Electric		TJ4	3										
General Electric	Mag Break	TJC											
General Electric	TJD432400WL	TJD	2-3										
General Electric	J600	TJJ	2-3										
General Electric	J600	TJK4	2-3										
General Electric General Electric	TJK636F000 TJS3604S	TJK6 TJS	2-3										
General Electric	MicroVersaTrip	TK4V	3										
General Electric	Mag Break	TKC	3										
General Electric	TKM4365000	TKM4	3										
General Electric	K1200	TKM8	2-3										
General Electric		TKMA8	3										
General Electric	Q Line	TQB	2-3										
General Electric	Q-Line	TQB-A	1										
General Electric	Q-Line	TQB-S	1										
General Electric	Q Line	TQC	2-3										
General Electric		TQC-A	1										
General Electric		TQC-S	1										
General Electric	Q Line	TQD	2-3										
General Electric	Q Line	TQL-A	1										
General Electric	Q Line	TQL-S	1										
Heinemann		LB	1										
Heinemann		LF	1										
Heinemann		LJ	1										
Merlin Gerin	400 Amp series	CJ	3										
Siemens ITE		BL	1										
Siemens ITE		BL	2-3										
Siemens ITE		BL	1										
Siemens ITE Siemens ITE		BL BLF-GFI	2-3 2										
Siemens ITE		BLH	1										
Siemens ITE		BLH	2-3										
Siemens ITE		BQ	1										
Siemens ITE		BQ	2-3										
Siemens ITE		BQCH	1-3										
Siemens ITE		BQD	3										
Siemens ITE		BQD	1-3										
Siemens ITE		BQD6	1-3										
Siemens ITE		BQH	1										
Siemens ITE		BQH	2-3										
Siemens ITE		CED6	2-3										
Siemens ITE Siemens ITE		CFD6 CFD6-ETI	2-3 2-3										
Siemens ITE Siemens ITE		CFD6-E11	<u>2</u> -3										
Siemens ITE		CJD6	2-3										
Siemens ITE		CJD6-ETI	2-3										
Siemens ITE		CLF	2										
Siemens ITE Siemens ITE	-	CMD6 CMD6-ETI	3										
Siemens ITE		CND6	3										
Siemens ITE		CPD6	3										
Siemens ITE	-	CQD	1-3										
Siemens ITE Siemens ITE		E2 E4	1										
Siemens ITE		ED2	1-3										
Siemens ITE		ED4	1-3										
Siemens ITE		ED6	1-3										
Siemens ITE Siemens ITE		ED6-ETI EE3	3										
Siemens ITE		EH3											
Siemens ITE		EQP	4										
Siemens ITE		EQT QF											
Siemens ITE	F-Frame	ET	0.0										
Siemens ITE	I.	FD6A	2-3	<u> </u>						l			

				IDEAL								
				Standard Br		EZ Panel Loc™						
Mfg.	Breaker Classification	Breaker Type	# of Poles	1-Pole Snap-On (w/hole) 44-810	120/277V Clamp On (no hole) 44-809	Cleat for #65396 44-785	480/600V Clamp On (no hole) 44-807	Cleat for #65397 44-786	Oversize 480/660V 44-823	Multi-pole w/tie bar 44-783	Snap On (SQD QO) 44-768	Clamp On (universal) 44-764
Siemens ITE		FJ2-B	2-3									
Siemens ITE Siemens ITE		FJ3 FJ6	2									
Siemens ITE		FXD6A	2-3									
Siemens ITE		FXD6-ETI	2-3									
Siemens ITE		GF	1									
Siemens ITE Siemens ITE		HBL HBL	1 2-3									
Siemens ITE		HBQ	1									
Siemens ITE		HBQ	2-3									
Siemens ITE		HE4										
Siemens ITE Siemens ITE		HED4 HED6	1-3 2-3									
Siemens ITE		HFD6	2-3									
Siemens ITE		HFXD6	2-3									
Siemens ITE		HHED6	2-3									
Siemens ITE		HHFD6	2-3									
Siemens ITE Siemens ITE		HHJD6 HHJXD6	2-3 2-3									
Siemens ITE		HJD6	2-3									
Siemens ITE		HJD6-A	2-3									
Siemens ITE		HJXD6	2-3									
Siemens ITE Siemens ITE		HJXD6-A HMD6	2-3 2-3									
Siemens ITE		HMXD6	2-3									
Siemens ITE		HND6	2-3									
Siemens ITE		HNXD6	2-3									
Siemens ITE Siemens ITE		HPD6 HPXD6	3									
Siemens ITE		HQJ2-H	3									
Siemens ITE		HQP	1									
Siemens ITE		HQP	2-3									
Siemens ITE Siemens ITE		HQPP HQPP	2-3									
Siemens ITE		HQPPH	2-3									
Siemens ITE		HRD6	3									
Siemens ITE		HRXD6	3									
Siemens ITE Siemens ITE		JD6-A JJ3	2-3									
Siemens ITE		JL3	3									
Siemens ITE		JXD2-A	2-3									
Siemens ITE		JXD6-A	2-3									
Siemens ITE Siemens ITE		LL3 MD6	2-3									
Siemens ITE		MXD6	2-3									
Siemens ITE		MXD6-ETI	2-3									
Siemens ITE		ND6	2-3									
Siemens ITE Siemens ITE		NXD6 PD6	2-3									
Siemens ITE		PXD6	3									
Siemens ITE		QJ2	2-3									
Siemens ITE		QJ2-H	2-3									
Siemens ITE Siemens ITE		QJH2 QP	2-3									
Siemens ITE		QP	2-3									
Siemens ITE		QP1	1									
Siemens ITE		QPH	1									
Siemens ITE Siemens ITE		QPH QPH	4 2-3									
Siemens ITE		QPP	1									
Siemens ITE		QPP	2-3									
Siemens ITE		QPPH	1									
Siemens ITE Siemens ITE		QPPH RD6	2-3									
Siemens ITE		RXD6	3									
Siemens ITE	Solid State Trip Ckt. Bkr.	SCMD6	3									
Siemens ITE	Solid State Trip Ckt. Bkr.	SCND6	3									
Siemens ITE	Solid State Trip Ckt. Bkr. Solid State Trip	SHMD6	3									
Siemens ITE	Ckt. Bkr. Solid State Trip	SHND6	3									
Siemens ITE	Ckt. Bkr.	SMD6	3									

				IDEAL											
				Standard Breaker Lockouts								EZ Panel Loc™			
Mfg.	Breaker Classification	Breaker Type	# of Poles	1-Pole Snap-On (w/hole) 44-810	120/277V Clamp On (no hole) 44-809	Cleat for #65396 44-785	480/600V Clamp On (no hole) 44-807	Cleat for #65397 44-786	Oversize 480/660V 44-823	Multi-pole w/tie bar 44-783	Snap On (SQD QO) 44-768	Clamp On (universal) 44-764			
Siemens ITE	Solid State Trip Ckt. Bkr.	SND6	3												
Simplex	CKI. DKI.	NX	3												
Square D		EDB	1-3												
Square D		EGB	1-3												
Square D Square D		EH4 EHB	1-3 1-3												
Square D		EHB	2-3												
Square D		EJB	1-3												
Square D		EZ	3												
Square D Square D	100 Amp Frame 100 Amp Frame	FA FAL	1-3 1-3												
Square D	100 Amp Frame	FC	3												
Square D	100 Amp Frame	FCL	2-3												
Square D	FDA 34040	FDA													
Square D	100 Amp Frame	FH	1-3												
Square D Square D	100 Amp Frame 100 Amp Frame	FHL FHL-DC	1-3 3												
Square D	100 Amp Frame	FI	3												
Square D	100 Amp Frame	FIL	3												
Square D	100 Amp Frame	FY	1												
Square D	Mag Gard	GJL	3												
Square D Square D	250 Amp Frame	KA KAL	2-3 2-3												
Square D		KAP	2.0												
Square D	250 Amp Frame	KC	2-3												
Square D		KCL	2-3												
Square D	250 Amp Frame	KH	2-3												
Square D Square D	250 Amp Frame	KHL KI	3 2-3												
Square D	250 Amp Frame	KIL	2-3												
Square D	400 Amp Frame	LA	2-3												
Square D		LAL	2-3												
Square D Square D	400 Amp Frame	LH LHL	2-3												
Square D	+	LHP	3												
Square D		MA	3												
Square D	1000 Amp Frame	MA	2-3												
Square D	1000 4 5	MAL	3												
Square D Square D	1000 Amp Frame	MH MHL	2-3 2-3												
Square D		ML-1	3												
Square D		ML-3	3												
Square D	250 Amp Frame	Q1B	2-3												
Square D	250 Amp Frame	Q1L	2-3												
Square D Square D	250 Amp Frame 250 Amp Frame	Q2 Q2H	2-3 2-3												
Square D	250 Amp Frame	Q2L	2-3												
Square D	250 Amp Frame	Q2MT	2-3												
Square D	400 Amp Frame	Q4	2-3												
Square D Square D	400 Amp Frame Q0	Q4L Q0	2-3												
Square D	Q0	Q0	2-3												
Square D	Q0	QOB	1												
Square D	Q0	QOB	2-3												
Square D	Q0	QOB-H	2												
Square D	Q0 Q0	QOB-VH QOB-VH	1 2-3												
Square D Square D	Q0	QO-H	2-3												
Square D	Main Circuit Breaker QO	Q0M1-VH	2												
Square D	Main Circuit Breaker QO	Q0M2-VH	2												
Square D Square D	QO DIN Rail Mnt QO	QO-SWN QOU	2-3												
Square D	DIN Rail Mnt Q0	QOU	2-3												
Square D	DIN Rail Mnt QO	QOU w/tie	2-3												
Square D	Q0	QO-VH	1												
Square D	Q0	QO-VH QYU	2-3												
Square D Square D	DIN Rail Mount 2500 Amp Frame	RG	2-4												
Square D	2500 Amp Frame	RJ	2-4												
Square D	2500 Amp Frame	RL	2-4												
Square D		Y1													

				IDEAL									
	,			Standard Br	eaker Lockou	ts					EZ Panel Loc™		
Mfg.	Breaker Classification	Breaker Type	# of Poles	1-Pole Snap-On (w/hole) 44-810	120/277V Clamp On (no hole) 44-809	Cleat for #65396 44-785	480/600V Clamp On (no hole) 44-807	Cleat for #65397 44-786	Oversize 480/660V 44-823	Multi-pole w/tie bar 44-783	Snap On (SQD QO) 44-768	Clamp On (universal) 44-764	
Sylvania GTE		QC	2										
Sylvania GTE		Type C	2										
T&B		F Frame	1-3										
Westinghouse Westinghouse		BA BA	2-3										
Westinghouse		BA	2-3										
Westinghouse		BA	1										
Westinghouse		BAB	1										
Westinghouse		BR	1										
Westinghouse		BR BRH	2-3 2-3										
Westinghouse Westinghouse		CA	2-3										
Westinghouse		DA											
Westinghouse		DK											
Westinghouse		EB	1-3										
Westinghouse		ED	4.0										
Westinghouse Westinghouse		EH EHB	1-3 1-3										
Westinghouse		EHD	1-3										
Westinghouse		FA	3										
Westinghouse		FB	2-3										
Westinghouse		FD	1-4										
Westinghouse		FDB	2-4										
Westinghouse Westinghouse	For Fire Protect.	FDC FP	2-4										
Westinghouse	TOTTHE TTOLEGE.	GB	1-3										
Westinghouse		GBH	1-3										
Westinghouse		GHB	1-3										
Westinghouse		GR	3										
Westinghouse		HBAW	1										
Westinghouse Westinghouse		HBAX HCA	3										
Westinghouse		HFB	1-3										
Westinghouse		HFD	1-4										
Westinghouse		HKD	3										
Westinghouse		HLA											
Westinghouse Westinghouse		HLB HMC											
Westinghouse		HMCP											
Westinghouse		HNC											
Westinghouse		HQNP	3										
Westinghouse		HQP	1										
Westinghouse		JA	0.4										
Westinghouse Westinghouse		JD KA	2-4										
Westinghouse		KB	-										
Westinghouse		LA	3										
Westinghouse		LB											
Westinghouse Westinghouse		LBB LH	3										
Westinghouse		MA MA	2-3										
Westinghouse		MC	2-3										
Westinghouse		MCC	2-3										
Westinghouse		MCP0	3										
Westinghouse		NB D	1										
Westinghouse Westinghouse		P QBHW	3										
Westinghouse		QC	1										
Westinghouse	Quicklag C	QC	3										
Westinghouse		QCHQ	1										
Westinghouse		QHCW	1										
Westinghouse Westinghouse		QHCX QHPW	1										
Westinghouse		QPHW	1										
Westinghouse		Quicklag P											
Westinghouse		RE											
Westinghouse		RH	3										
Westinghouse Zinsco		WPHX HQB	3										
Zinsco		QB	1										
Zinsco		QCB	2										
	1												
Zinsco Zinsco		Type Q Type T	1										

AEROSPACE

Every aspect of the aerospace industry demands precision and accuracy. That includes wire processing - our area of expertise at IDEAL. Working with both wire manufacturers and aerospace engineers, we develop unique blades with tight tolerances that strip wire accurately and dependably.

STRIPMASTER® & STRIPMASTER LITE WIRE STRIPPERS

Wire Strippers	
Blades	
Accessories	C-6
Replacement Parts	

CUSTOM STRIPMASTER® WIRE STRIPPERS

Wire Strippers	
Blades	
Accessories	C-8
Replacement Parts	C-8
MIL-Spec Application Guide	

SPECIALTY WIRE STRIPPERS

Ergo-Elite Stripmaster® Wire Stripper
Omega Stripmaster® Wire Stripper
Pneumatic Wire Strippers

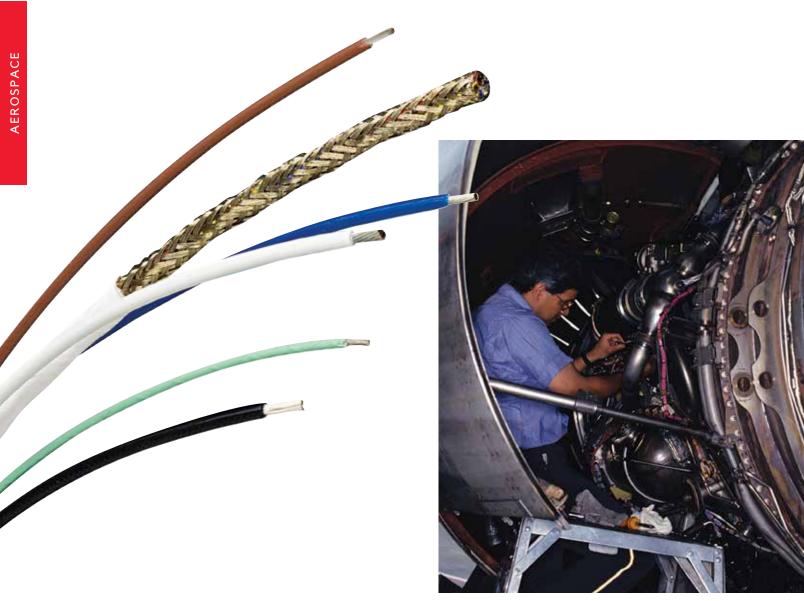


WIRE STRIPPING BASICS

There are two basic levels of wire stripping—precision and non-precision. The first type, precision wire stripping, is employed where extreme reliability and critical tolerances must be achieved. Aircraft, computers, aerospace, missiles, radar guidance systems, and communications systems are examples of applications where precision wire stripping is required. In many cases, the military standard is called for and meeting that standard is rigidly enforced and calls for the highest quality precision wire stripping.

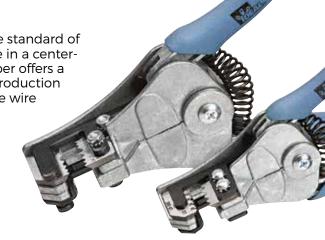
The second, non-precision stripping, is used in the manufacturing of lighting fixtures, electrical appliances, automotive harnesses, etc. This requires wire strips that assure product reliability and are obtained at a relatively low cost.

For each type of wire stripping and production requirement, the best tool and/or method to get the job done right must be determined, and IDEAL Electrical is there to assist with free wire analysis.



Stripmaster® & Stripmaster® Lite Wire Strippers

The versatile Stripmaster®/Stripmaster® Lite Wire Strippers are the standard of the industry. They incorporate a gripper that firmly holds the wire in a center-line position with the stripping hole. The lever action of the stripper offers a mechanical advantage that makes stripping easier. This aids in production applications and reduces operator fatigue. One squeeze strips the wire clean, up to a full 7/8 in. (22mm). The jaws are automatically held open to allow removal of the wire without damaging its end. This stripper virtually eliminates all nicking, cutting or fraying on non-precision wire.



Custom Stripmaster® Wire Strippers

Custom Stripmaster® Wire Strippers set the industry standard in hand-held, precision wire stripping. They provide fast, accurate wire stripping with its one-step, squeeze-action stripping and unique precision blade design. They can be customized with your choice of gripper pads and blade sets to match your wire stripping requirements. Their comfort grip handles are color-coded to help quickly identify compatible wire gage. Red handles are used for larger wire (10–14 AWG) and black handles are used for smaller wire (16–30 AWG). The blades and grippers installed in the tool are specific to the application. Optional short-stop latch and transparent wire stop increases tool versatility and insures consistent strip lengths.

Custom Stripmaster® Lite Wire Strippers

The Custom Stripmaster® Lite Wire Stripper marks the beginning of a new era of light-weight, precision wire strippers designed specifically for improved operator comfort. It utilizes the same type of precision die-blade construction and features an optional short-stop latch and transparent wire stop. Built of sturdy die-cast zinc, this compact stripper weighs 50% less than its full-sized counterparts, and will impress you with both its ease of operation and durable performance.



AEROSPACE

Ergo Elite Stripmaster® Wire Stripper

The Ergo-Elite Stripmaster® Wire Stripper offers the latest light-weight, ergonomically engineered wire stripper for the aerospace industry. The tilted wire stripping head in this sleek 5 oz. design provides better leverage and clear view for wire positioning. The advanced jaw position ensures a quality strip on a wide range of wire gauges while eliminating potential scraping of the inner conductor and leaving a squared finish. Advanced blade design has a built-in guiding system for loading the wire properly into position.



Stripmaster® & Stripmaster® Lite Wire Strippers

- · One-step stripping enhances productivity
- · Precision-ground, knife-type blades provide clean, accurate stripping
- · Sturdy die-cast zinc frame provides long-term durability
- Stripmaster Lite designed for smaller hands 3/4 the size of the standard Stripmaster $^{\circ}$
- · 90-day warranty

Stripmaster® Wire Strippers and Knife-Type Blades



^{*} Blister Card

Stripmaster® Lite Wire Strippers and Knife-Type Blades

		Spec	ificatio	ns – Stri	pping H	Replacement	Replacement	Tool w/				
				Wire Si	ze AWC					Blades (Pair)	Frame	Blades
12	14	16	18	20	22	24	26	28	30	Part No.	Part No.	Part No.
		•	•	•	•					LB-1001	LB-1421	45-671
						•	•	•	•	LB-1002	LB-1421	45-672
•	•	•	•		anded ire					LB-1003	LB-1421	45-673
•	•	•	•	12 &	14 Solic	Wire, 16	5 & 18 St	randed	Wire	LB-1004	LB-1421	45-674

Stripmaster® Wire Strippers and Knife-Type Blades for Metric Wire

			Specif	icatio	ns – S	trippir	ng Hol	es Off	ered					Replacement	Replacement	Tool w/
					W	ire Siz	e mm	2						Blades (Pair)	Frame	Blades
0.05	0.1	0.15	0.22	0.34	0.5	0.75	1	1.5	2.5	4	6	8	10	Part No.	Part No.	Part No.
												•		L-4419M	LA-2358	45-090-341
						•	•	•	•	•	•			L-4421M	LA-2358	45-092-341 or 45-292-341*
•	•	•	•	•	•									L-5361M	LA-2358	45-098-341

^{*}Blister Card

Description	Blade Gap vertical height	Blade Only Part No.	Frame & Blade Part No.
Custom Steel frame only	_	_	LB-1091
Flat blade for 26 AWG (.40mm dia.) multi-conductor	.022 in.	LB-1151	45-890
Flat blade for 24 AWG (.00mm dia.) multi-conductor	.030 in.	LB-1152	45-891
Flat blade for 22 AWG (.64mm dia.) multi-conductor	.038 in.	LB-1153	45-892
Flat blade for 20 AWG (.00mm dia.) multi-conductor	.050 in.	LB-1154	45-893
Flat blade for 18 AWG (1.02mm dia.) multi-conductor	.060 in.	LB-1155	45-894
Flat blade for 16 AWG (1.29mm dia.) multi-conductor	.075 in.	LB-1156	45-895

Stripmaster® Lite Wire Strippers

Stripmaster® Lite Wire Strippers and Knife-Type Blades for Metric Wire

	Specifications – Stripping Holes Offered Replacement				Replacement						
	Wire Size mm²					Blades (Pair)	Frame	Tool w/Blade Part No.			
0.05	0.1	0.15	0.22	0.34	0.5	0.75	1	1.5	Part No.	art No. Part No.	
				•	•	•	•	•	LB-1001M	H-2909	45-671-341
•	•	•	•						LB-1002M	H-2909	45-672-341

Coax Stripmaster® Wire Strippers & Blades



Description	Repl. Blade Part No.	Tool w/Blade Part No.
Coax Stripmaster® for RG-6	LB-740	45-262
Coax Stripmaster® for RG-58	LB-742	45-264
Coax Stripmaster® for RG-59	LB-743	45-265
Coax Stripmaster® for RG-6 QuadShield	LA-3953	45-282

Coaxial Cables: two-step strip for termination, jacket and dielectric.

Optional Accessories



- Wire Stop provides uniform stripping length, range = 3/32" to 3/4"
- Short stop latches protect wire strands by limiting stripping stroke to 5/32 in. and retain slug until wire is ready for terminating.

Description	Part No.
Transparent Adjustable Wire Stop (for Stripmaster® Wire Strippers)	L-5270
Transparent Adjustable Wire Stop (for Stripmaster® Lite Wire Strippers)	LB-1195
Transparent Adjustable Wire Stop (for Metric Stripmaster® Wire Strippers)	45-2019

Stripmaster® Wire Strippers with Rectangular Holes



Description	Replacement Blades (Pair) Part No.	Tool w/ Blade Part No.
For Flat Telephone Cable (.060 in. or 1.52mm)	LB-1155	N/A
For European Flat Lamp Cord	L-8762	45-089
For SP-SPT Lamp Cord	L-4452	45-095*

*Also strips 2- and 3-conductor low-voltage wire used in E.E. and Touchplate remote control wiring system.

Replacement Parts

Description	Part No.
Replacement Frame for Stripmaster® Wire Strippers	L-5620
Replacement Frame for Stripmaster® Lite Wire Strippers	LB-1421
Replacement Moveable Gripper for Stripmaster® Wire Strippers	L-1953
Replacement Moveable Gripper for Stripmaster® Lite Wire Strippers	K-6603

Custom Stripmaster® Wire Strippers

- · Strips 30 10 AWG solid or stranded wire
- Mil-spec die-type blades allow precision stripping
- Inner cutting hole sized to conductor and counter-bored holes sized to insulation
- · Replaceable grippers
- Optional short stop-latch and transparent wire stop
- · Cushioned, comfort grip handles
- Engineering service and made-toorder blades available. Contact factory for complete product and blade number listing.
- · Meets SAE-AS5768 Standards
- 90-day warranty

Precision Counter-bored Die-Type Blades

- Meets SAE-AS5768 Standards
- Outer counter-bore hole, sized to insulation while inner-hole cuts insulation without contacting the conductor during stripping.



Gripper pads hold the wire securely in a centerline relationship with the blade.



Die-type blades incorporate a counter-bored hole sized to the insulation and an inner cutting hole sized to the conductor. This varies depending on insulation type and thickness.

Custom Stripmaster® Lite Wire Strippers

- Custom Stripmaster® Lite is 3/4's the size of Custom Stripmaster® Wire Stripper and strips 16 - 30 AWG solid or stranded wire
- Custom Stripmaster® Lite requires one-third less hand pressure for each strip actuation
- Engineering Service and made-toorder blades available. Contact factory for complete product and blade number listing.
- · Meets SAE-AS5768 Standards
- 90-day warranty



Proper tool selection can be made via our MIL-Spec application guide (pgs. C-9 through C-11) or through our free application engineering service.

Million

Free Application Engineering Service available. Contact IDEAL Electrical for complete information at 1-800-324-9571 or download application at idealind.com.

Replacement Gripper Pads







For Custom Stripmaster® and Custom Steel Stripmaster® Wire Strippers					
Surface Type	Gripper Set* Part No.	Movable Gripper Part No.	Stationary Gripper Part No. (Thickness)		
Grit**	LB-197	L-5212	L-5215 (.129 in.)		
Grit**	LB-198	L-5212	L-5217 (.156 in.)		
File ‡	LB-721	LB-718	LB-719 (.129 in.)		
File ‡	LB-722	LB-718	LB-720 (.156 in.)		
Parallel	LB-730	LB-727	LB-728 (.129 in.)		
Parallel	LB-731	LB-727	LB-729 (.156 in.)		

For Custom Stripmaster® Lite Wire Strippers					
Surface Type	Gripper Set* Part No.	Movable Gripper Part No.	Stationary Gripper Part No. (Thickness)		
Grit**	LB-1188	LB-882	LB-883 (.109 in.)		
File ‡	LB-1189	LB-1184	LB-1185 (.109 in.)		
Parallel	LB-1190	LB-1186	LB-1187 (.109 in.)		

 $[\]ensuremath{^*}$ Gripper Set includes one movable gripper and one stationary Gripper.

Gripper pad selection depends on insulation type and user preference. Note:For 10-14 AWG, use .129 in. stationary gripper.

For 16-30 AWG, use .156 in. gripper.

Optional Accessories





- Wire Stop provides uniform stripping length, range = 3/32" to 3/4"
- Short stop latches protect wire strands by limiting stripping stroke to 5/32 in. and retain slug until wire is ready for terminating.

Description	Part No.
Transparent Adjustable Wire Stop (for Stripmaster® Wire Strippers)	L-5270
Transparent Adjustable Wire Stop (for Stripmaster® Lite Wire Strippers)	LB-1195
Transparent Adjustable Wire Stop (for Metric Stripmaster® Wire Strippers)	45-2019
Short Stop Latch for Custom & Customer Steel Stripmaster® Wire Strippers	L-5269
Short Stop Latch for Custom Stripmaster® Lite Wire Strippers	LB-1194

Replacement Frame Assemblies with Grit Grippers

For Custom Stripmaster® Wire Strippers	Part No.
Frame only, 10-14 AWG	L-5616
Frame only, 16-30 AWG	L-5617
Frame only, 10-14 AWG, Wire Stop and Latch	L-5618
Frame only, 16-30 AWG, Wire Stop and Latch	L-5619
Frame only, 10-14 AWG, internal spring (see note)	L-9039
Frame only, 16-30 AWG, internal spring (see note)	L-9038

Note: Frames with internal springs allow additional blade penetration pressure for difficult and multi-layered insulation types.

For Custom Stripmaster® Lite Wire Strippers	Part No.
Frame only	LB-895
Frame only, Wire Stop and Latch	LB-896

For Custom Steel Stripmaster® Wire Strippers	Part No.
Frame only, 10-14 AWG	LB-1091
Frame only, 16-30 AWG	LB-1092
Frame only, 10-14 AWG, internal spring (see note)	LB-1090
Frame only, 16-30 AWG, internal spring (see note)	LB-1089

Note: Frames with internal springs allow additional blade penetration pressure for difficult and multi-layered insulation types.

^{**} Grit pads are standard for most Custom Stripmaster® and Custom Stripmaster® Lite products.

[‡] For use on hard-to-grip surfaces.

MIL-SPEC APPLICATION GUIDE

	Custom Stripmaster®		Custom Stripmaster® Lite			
	Hand Tool w/ Blade	Replacement Blade Only	Wire Range AWG	Hand Tool w/ Blade	Replacement Blade Only	Wire Range AWG
5 MDI AIRFRAME TYPE A&B	45-2691	45-2691-1	10-14	N/A 45-2685	N/A 45-2685-1	N/A 16-24
5 MDI HOOK-UP TYPE C	45-2694	45-2694-1	10-14	N/A 45-2693 45-2692	N/A 45-2693-1 45-2692-1	N/A 16-22 20-26
AD	45-2824 45-2825	48-2824-1 45-2825-1	16-26 10-14	N/A N/A	N/A N/A	N/A N/A
AEP System 2112	45-2903* 45-1987	55-2903-1* 45-1987-1	16-24 16-26			
AK	45-1513	45-1513-1	16-26	45-2128 45-2129	45-2128-1 45-2129-1	16-22 20-26
AKA	45-1654 45-171 45-1608 45-170	45-1654-1 L-5211 45-1608-1 L-5210	16-26 16-26 10-14 10-14	45-2132 45-632 N/A N/A	45-2132-1 LB-912 N/A N/A	16-24 16-22 N/A N/A
АКВ	45-1654 45-171 45-1608 45-170	45-1654-1 L-5211 45-1608-1 L-5210	16-26 16-26 10-14 10-14	45-2132 45-632 N/A N/A	45-2132-1 LB-912 N/A N/A	16-24 16-22 N/A N/A
BE	45-171 45-170	L-5211 L-5210	16-26 10-14	45-632	LB-912	16-22
BF	45-1773 45-1774 45-1939 55-1773*	45-1773-1 45-1774-1 45-1939-1 55-1773-1*	18-24 12-14 10-14 16-26	45-2126 45-2127	45-2126-1 45-2127-1	16-22 20-26
BMS13-48 TYPES 1-7, 25, 26, 30 (6mil Wall Thickness)	45-1551 45-2500 55-1987*	45-1551-1 45-2500-1 55-1987-1*	16-26 10-14 16-26	45-2612	45-2612-1	16-24
BMS13-48 TYPES 10-14, 27, 28, 31, 32, 35, 36 (8mil Wall Thickness)	45-1654 45-2500 45-1611 55-1987*	45-1654-1 45-2500-1 45-1611-1 55-1987-1*	16-26 10-14 10-14 16-26	45-2132	45-2132-1	16-24
BMS13-48 TYPES 8, 9, 15, 23, 24 (10mil Wall Thickness)	45-1987 45-2500 45-1611 55-1987*	45-1987-1 45-2500-1 45-1611-1 55-1987-1*	16-26 10-14 10-14 16-26	45-2133	45-2133-1	16-24
BMS13-60 TYPE 1-6, 19-21, 23-27, 33-34	45-2541 45-2543 55-2543*	45-2541-1 45-2543-1 55-2543-1*	10-14 16-26 16-24	N/A 45-2697	N/A 45-2697-1	N/A 16-24
BMS13-60 TYPE 12-18, 28-32	45-2542 45-2544	45-2542-1 45-2544-1	10-14 16-24	N/A N/A	N/A N/A	N/A N/A
BMS13-60 TYPE 13-18, 28-32	45-2686	45-2686-1	16-24	45-2698	45-2698-1	16-24
BMS13-60 TYPE 7-12	45-2565 45-2564 55-2564*	45-2565-1 45-2564-1 45-2564-1*	10-14 16-26 16-26	N/A N/A	N/A N/A	N/A N/A
BMS13-78	55-2933*	55-2933-1*	16-22			
BMS13-80	55-2934*	55-2934-1*	22-26			
CF	45-1773 45-1774 55-1773*	45-1773-1 45-1774-1 55-1773-1*	18-24 12-14 16-26	45-2126 45-2127	45-2126-1 45-2127-1	16-22 20-26
DE	45-171 45-170	L-5211 L-5210	16-26 10-14	45-632	LB-912	16-22
DK	45-1773 45-1774 45-1939 55-1773*	45-1773-1 45-1774-1 45-1939-1 55-1773-1*	10-14 12-14 10-14 16-26	N/A	N/A	N/A

MIL-SPEC APPLICATION GUIDE

	Cu	stom Stripmast	:er®	Custom Stripmaster® Lite		
	Hand Tool w/ Blade	Replacement Blade Only	Wire Range AWG	Hand Tool w/ Blade	Replacement Blade Only	Wire Range AWG
DL	45-1939 55-2905*	45-1939-1 55-2905-1*	10-14 16-22	N/A	N/A	N/A
DM	45-1939 45-2811	45-1939-1 45-2811-1	10-14 16-24	N/A	N/A	N/A
DR	45-2824 45-2825 45-2828	48-2824-1 45-2825-1 45-2828-1	16-26 10-14 16-26	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A
JN 1007 CH 002 TO 012	45-2775 55-2775*	45-2775-1 55-2775-1*	16-24 16-24	19/6	IVA	IV/A
JN 1007 CH 020 to 030	45-2776	45-2776-1	12-14			
MIL-W-16878/4	45-1611	45-1611-1	10-14	N/A	N/A	N/A
MIL-W-16878/5	45-174	L-5563	16-26	45-635	LB-915	16-22
MIL-W-22759/11/12/22/23	45-177 55-5560* 45-178	L-5560 55-5560-1* L-5561	16-26 16-26 26-30	45-2138 45-2139 45-640	45-2138-1 45-2139-1 LB-920	16-24 18-26 24-30
MIL-W-22759/16/17	45-1611 45-1987 55-1987*	45-1611-1 45-1987-1 55-1987-1*	10-14 16-26 16-26	N/A 45-2133 45-2118	N/A 45-2133-1 45-2118-1	N/A 16-24 20-26
MIL-W-22759/18/19	45-1608 45-1551	45-1608-1 45-1551-1	10-14 16-26	N/A 45-2612 45-2125	N/A 45-2612-1 45-2125-1	N/A 16-24 20-26
MIL-W-22759/32/33/44/45/46	45-1987 55-1987* 45-1654	45-1987-1 55-1987-1* 45-1654-1	16-26 16-26 16-26	45-2133 45-2118 45-2132 45-2114	45-2133-1 45-2118-1 45-2132-1 45-2114-1	16-24 20-26 16-24 20-26
MIL-W-22759/7/8	55-1500*	55-1500-1*	16-22	N/A	N/A	N/A
MIL-W-22759/80/81/82/91/92	45-2542 45-2544 55-2693*	45-2542-1 45-2544-1 55-2693-1*	10-14 16-24 16-26	N/A 45-2693 45-2692	N/A 45-2693-1 45-2692-1	N/A 16-22 20-26
MIL -W-22759/83/84/85/86/87/88/89/90	45-2541 45-2543 45-2618 55-2685*	45-2541-1 45-2543-1 45-2618-1 55-2685-1*	10-14 16-26 16-26 16-26	N/A 45-2685 45-2799	N/A 45-2685-1 45-2799-1	N/A 16-24 16-24
MIL-W-24640/19/22/23/24	45-1957	45-1957-1	14-22	N/A	N/A	N/A
MIL-W-25038/3	55-2901*	55-2901-1*	16-22			
MIL-W-5086 TYPE I MIL-W-5086 TYPE II	45-1192 45-1159 45-1302	45-1192-1 45-1159-1 45-1302-1	8-12 10-14 16-22	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A
MIL-W-5086/1/7	45-171	L-5211	16-26	45-634	LB-914	24-30
MIL-W-81044/11/12/13	45-1611 45-2500 45-1987 55-1987* 45-178	45-1611-1 45-2500-1 45-1987-1 55-1987-1 L-5561	10-14 10-14 16-26 16-26 26-30	N/A N/A 45-2133 45-2118 45-640	N/A N/A 45-2133-1 45-2118-1 LB-920	N/A N/A 16-24 20-26 24-30
MIL-W-22759/34/35/41/42/43	45-1611 45-2500 45-1987 55-1987* 45-178	45-1611-1 45-2500-1 45-1987-1 55-1987-1 L-5561	10-14 10-14 16-26 16-26 26-30	N/A N/A 45-2133 45-2118 45-640	N/A N/A 45-2133-1 45-2118-1 LB-920	N/A N/A 16-24 20-26 24-30
MIL-W-81044/16/17	45-1611 45-1610	45-1611-1 45-1610-1	10-14 16-26	N/A N/A 45-2112 45-2131	N/A N/A 45-2112-1 45-2131-1	N/A N/A 20-26 16-24
MIL-W-81044/4/5/6	45-170	L-5210	10-14	45-632 45-633	LB-912 LB-913	16-22 20-26

MIL-SPEC APPLICATION GUIDE

	Cu	stom Stripmast	er [®]	Custo	® Lite	
	Hand Tool w/ Blade	Replacement Blade Only	Wire Range AWG	Hand Tool w/ Blade	Replacement Blade Only	Wire Range AWG
MIL-W-81044/8/9/10	45-173 45-174 45-175 55-2901*	L-5662 L-5563 L-5564 55-2901-1*	10-14 16-26 26-30 16-26	N/A 45-635 45-637 45-636	N/A LB-915 LB-917 LB-916	N/A 16-22 24-30 20-26
MIL-W-81381/1/2/6/7/8/9/10/17/21	45-1609 45-1551 45-178	45-1609-1 45-1551-1 L-5561	10-14 16-26 26-30	N/A 45-2612 45-2125 45-640	N/A 45-2612-1 45-2125-1 LB-920	N/A 16-24 20-26 24-30
MIL-W-81381/11/12/13/14/22	45-1608 45-1654 45-178	45-1608-1 45-1654-1 L-5561	10-14 16-26 26-30	N/A 45-2114 45-2132 45-640	N/A 45-2114-1 45-2132-1 LB-920	N/A 20-26 16-24 24-30
MIL-W-81381/17/21	45-1523 45-1672 45-1633 55-1633*	45-1523-1 45-1672-1 45-1633-1 45-1633-1*	16-26 16-26 16-26 16-26	45-2120 45-2121 N/A N/A	45-2120-1 45-2121-1 N/A N/A	20-26 16-24 N/A N/A
MIL-W-81381/18/19/20	45-1609 45-1672 45-1551	45-1069-1 45-1672-1 45-1551-1	10-14 16-26 16-26	N/A 45-2612 45-2125	N/A 45-2612-1 45-2125-1	N/A 16-24 20-26
MIL-W-81381/3/4	45-175	L-5564	26-30	45-637	LB-917	24-30
MIL-W-85485/5/6/7/8	45-1925 45-1924	45-1925-1 45-1924-1	10-14 16-24	N/A N/A	N/A N/A	N/A N/A
MIL-W-85485/9/10	45-1610	45-1610	16-26	45-2131	45-2131-1	16-24
MIL-W-85485/9/10/11/12	45-1611	45-1611-1	10-14	N/A	N/A	N/A
PAN 6411 DP 002 TO 012	45-2801	45-1773-1	16-24	45-2126 45-2127	45-2126-1 45-2127-1	16-22 20-26
PAN 6411 DP 020 & 030	45-2802	45-1774-1	12-14	N/A	N/A	N/A
PAN 6420 YR 004 TO 006	55-2903*	55-2903-1*	16-26			
PAN 6429 BE 002 TO 006	45-171	L-5211	16-24	45-632	LB-912	16-22
PAN 6588TW002	55-2775*	55-2775-1*	16-24			
Raychem 44A021X, 44/051X	45-176	L-5559	10-14	N/A	N/A	N/A

ERGO-ELITE STRIPMASTER® WIRE STRIPPER

- · Ergonomically engineered for superior comfort, balance and control
- Tool constructed of rigid polymer reinforced with carbon fiber providing excellent strength at 40% the weight of metal hand tools
- · Unmatched Mil-Spec precision blades with a patented, revolutionary design
- Tilted head assembly maintains a neutral wrist posture allowing an unobstructed view of wire positioning
- One-step stripping action, grips, penetrates and removes wire insulation with unmatched precision in one effortless squeeze



Accessories

Description	Part No.
Ergo-Elite Stripmaster® Frame Only, less blades	LB-4617
Ergo-Elite Stripmaster® Frame w/grit pad, less blades	LB-4618
Ergo-Elite Stripmaster® Frame w/parallel pad, less blades	LB-4619
Gripper Set, Ergo-Elite Stripmaster®, Grit	LB-4620
Gripper Set, Ergo-Elite Stripmaster®, Parallel	LB-4621
Ergo-Elite Stripmaster® Wire Stop	LB-1904
Blade Cover, Purple	IA-5170
Blade Cover, Red	IA-5171
Blade Cover, Blue	IA-5173

MIL-Spec Reference Chart

Wire Specification	Part No. Complete Assy.	Part No. Blade Only	Wire Range AWG	Wire Specification	Part No. Complete Assy.	Part No. Blade Only	Wire Range AWG
MIL-W-16878/4	55-5560	55-5560-1	16 – 26	ASN-E0261-CF EN2266	55-1773	55-1773-1	16 - 26
AEP System 2112	55-2903	55-2903-1	16 - 24	ASN-E0262-DK	55-1773	55-1773-1	16 - 26
MIL-W-22759/7/8	55-1500	55-1500-1	16 – 22	BMS 13-31	55-1500	55-1500-1	16 - 22
MIL-W-22759/11/12	55-5560	55-5560-1	16 – 26	BMS 13-52	55-2934	55-2934-1	22 – 26
MIL-W-22759/32-46/16/17	55-1987	55-1987-1	16 – 26	BMS 13-48 (10, 8, 6 MIL)	55-1987	55-1987-1	16 – 26
Mil-W-22759/81/82/91/92	55-2693	55-2693-1	16 - 26	BMS 1358	55-2904	55-2904-1	16 - 22
MIL-W-22759/83 thru /90	55-2685	55-2685-1	16 – 26	BMS 1360 type 1-6, 17, 18,	55-2543	55-2543-1	16 - 24
MIL-W-25038/3	55-2902	55-2902-1	16 – 22	BMS 1360 types 7 thru 12	55-2564	55-2564-1	16 – 24
MIL-W-81044/9/10	55-2901	55-2901-1	16 – 24	BMS 13-78	55-2933	55-2933-1	16 – 22
MIL-W-81044/11/12/13	55-1987	55-1987-1	16 – 26	"DL" ASNE EO 437	55-2905	55-2905-1	16 - 22
5 Mil Kapton	55-1633	55-1633-1	16 – 26	PAN 6588TW002	55-2775	55-2775-1	1.2 - 0.2
ASN-E0260-BF	55-1773	55-1773-1	16 – 26	JN 1007 CH	55-2775	55-2775-1	0.2 - 0.12

Omega Stripmaster® Wire Stripper

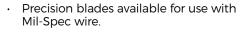


- · Capable of reaching into tight spaces
- Adjustable transparent wire stop for precision strip lengths
- · Cushioned comfort grip
- Multi-colored grips available to differentiate wire gauges, wire types or strip lengths
- · Replaceable blades (sold separately)

Description	Part No.
Omega Stripmaster® Wire Stripper	65-0150

Blades

- Die-type blades help provide proper alignment and a quality strip.
- · Blades sold separately
- Submit wire samples to determine the proper precision blade for application





- · Full bypass shear cutter
- · Spring loaded
- Provides precision wire cutting and trimming
- Preserves wire symmetry



Description	Part No.
V-Notch Cutter	45-353

T®-Cutter Lite Wire Cutter

· Knife-type blade provides a shear-type cut

 Lightweight, compact design with cushioned ESD grip

· Perfect for copper and aluminum wire



Description	Part No.
T [®] -Cutter Lite Wire Cutter	45-260

PNEUMATIC WIRE STRIPPERS

- Hand-held pneumatic powered wire strippers for various single wire conductors
- Interchangeable blade offers versatility using either the Custom Stripmaster® Die-Type blade series for Mil-Spec wire stripping applications or the standard Stripmaster® Knife-Type blade series for general purpose wire stripping
- Rotating stripping head for ease of left-hand or right-hand operation
- Adjustable Speed Control allows the operator to regulate the speed of the stripping operation
- In-line stripping reduces potential blade contact with conductors

Technical Information

		45-2530	45-600	45-650		
Chuin I an ortho	Minimum:	1/8 in.				
Strip Lengths	Maximum:		1/2 in.			
	Length:	6-5/8 in.	7-7/8 in.	8-7/8 in.		
Dianamaiama	Width:	2 in. dia.	1-1/2 in. dia.	1-7/8 in. dia.		
Dimensions	Height:	2-5/8 in.	2-1/2 in.	2-5/8 in.		
	Weight:	1.75 lb.	1.65 lb.	2.32 lb.		
Air Requirements (5CFM/Cycle)		.002	.002	.004		
PSI Requirements		80-120 PSI 80-120 PSI 95-120 PSI				
Air Hose Length		9 ft.				
Warranty		1-Year Limited				



Rotating Stripping Head

Standard Pneumatic Wire Stripper

- Uses Custom Stripmaster® and standard Stripmaster® 16-30 AWG blades.
- · Blades sold separately.
- Refer to specification charts for Stripmaster® and Custom Stripmaster® blade selection.
- For Mil-Spec blades not referenced in this catalog, refer to the Aerospace Catalog or take advantage of our free Applications Engineering service for wire evaluation.



Description	Part No.
Standard Pneumatic Wire Stripper	45-2530

Heavy-Duty Pneumatic Wire Stripper

- Uses Custom Stripmaster® and standard Stripmaster® 10-30 AWG blades.
- · Blades sold separately.
- Refer to specification charts for Stripmaster® and Custom Stripmaster® blade selection.
- For Mil-Spec blades not referenced in this catalog, refer to the Aerospace Catalog or take advantage of our free Applications Engineering service for wire evaluation.



Description	Part No.
Heavy-Duty Pneumatic Wire Stripper	45-650

Lite Pneumatic Wire Stripper

- Uses Custom Stripmaster[®] Lite and standard Stripmaster[®] Lite 16-30 AWG blades.
- · Blades sold separately.
- Refer to specification charts for Stripmaster® Lite and Custom Stripmaster® Lite blade selection.
- For Mil-Spec blades not referenced in this catalog, refer to the Aerospace Catalog or take advantage of our free Applications Engineering service for wire evaluation.



Description	Part No.
Lite Pneumatic Wire Stripper	45-600

Pneumatic Wire Stripper Accessories

Description	Part No.
Wire Stop (45-2530 & 45-650)	L-5270
Wire Stop (45-600)	LB-1195
Air Regulator (45-2530, 45-650 & 45-600)	45-906

FREE APPLICATION ENGINEERING SERVICE

Whatever your particular wire or cable preparation challenge, we're ready to assist you with practical solutions. Simply send us at least five feet of your wire or cable and complete the questionnaire below. Copy this form and mail to:

IDEAL INDUSTRIES, INC.

Precision Tool Lab

Attn: Wire Stripping Applications Analysis 1800 S. Prairie Drive; Sycamore, Illinois 60178

We'll quickly recommend a practical stripping or cutting solution designed to meet your needs. Remember, this is a free service that we're eager to provide whenever you need it.

For immediate assistance, call our Industrial Support Line at 800-324-9571 or e-mail industrial@idealindustries.com.

Wire Stripping Recommendations

Completion of this information is a request for recommended tools or equipment only and does not place the individual or the company inquiring under any obligation to purchase. This is a free service of IDEAL INDUSTRIES, INC., Sycamore, Illinois.

Name

Please enclose at least **five feet of your wire or cable** and answer the following questions to expedite a reply for your particular application.

- 1. Method Preference:
 - A. Hand Type
 - **B. Production Strippers**
 - 1. 45-930 STP Stripping System
 - 2. 45-950 Stripmaster® Model 950 Wire Stripper
- 2. Stripping Tolerance:
 - A. Precision
 - **B.** Non-Precision
- 3. Present Method:
- 4. Type of Insulation: _____

Customer Information

Please enclose business card or complete the following:

Title			
Company			

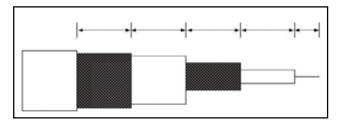
Stro				

City	State	Zip
Phone	Fax	

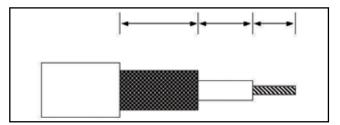
E-mail _____

- 5. Wire Gauge:
- 6. MIL-Spec: _____
- 7. Number of Strips per Day:

Triaxial Cable



Coax Cable



5. Remarks:

TEST SUPERIOR OF THE PROPERTY OF THE PROPERTY

IDEAL has been in the Electrical Test & Measurement Business for over 80 years. Throughout that time we have remained dedicated to providing the professional electrician with the tools and support required to safely and efficiently verify and analyze electrical systems and equipment. So, whether you are conducting routine measurements, testing installed devices, checking branch circuit integrity, locating breakers, tracing wires, or verifying grounding integrity, IDEAL has the tools to help you get the job done safely and efficiently.

CIRCUIT TRACERS

Circuit Tracers	D-4
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CLAMP METERS

TightSight® Clamp Meters	D-7
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BRANCH CIRCUIT ANALYSIS AND TESTING

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ACCESSORIES

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Carrying Cases	

SURETRACE™ CIRCUIT TRACER
Page D-3 0 SureTrace"
Circuit Tracer THE ELECTRICIAN'S CHAMPION DEAL ® Cat III-600V

SURETRACE™ CIRCUIT TRACERS

IDEAL, a leader in Circuit Tracing technology, has released the latest generation of circuit tracers with refinements in performance, ease-of-use and safety.

Performance

- Four defined ranges let you quickly select the proper sensitivity for your job
- Easy-to-replace AA batteries

Ease-of-Use

- Super-bright OLED display (61-957 and 61-959) indicates a numeric value between 0 and 99, providing a quick and easy way to determine received signal strength
- Audible indication with variable tone assists in locating signal source
- Peak detection provides instantaneous signal strength feedback
- SureTrace™ Circuit Tracers feature a rotating display. Regardless of the receiver orientation, the display automatically adjusts itself to a vertical position for easy reading.

Safety

- · Designed for durability and safety
- CAT III 600V
- · High energy fuse

Features

- · Can be used on circuits 0-600V AC/DC
- The transmitter is compatible with DC, 50 & 60Hz voltage from 0-600 volts. It is not compatible with the output of dimmer switches, variable frequency drives and any non-standard waveform.
- · Identifies breakers and fuses
- Pinpoints opens and shorts
- Traces wires behind walls

≠CertainCircuit™

After the correct breaker has been identified and tripped, the transmitter senses the loss of power and sends a different signal back to the receiver at the panel to give the user confidence that the right circuit has been de-energized.



Energized

Pinpoints Opens &



De-energized





Traces behind walls









Exclusive Rotating Display

SureTrace™ Circuit Tracers

- Receiver display rotates automatically for easy viewing
- Identifies breakers and fuses with CertainCircuit™ detection
- Pinpoints opens and shorts
- Traces wires
- "0-99" display of signal strength
- Audible indication intensifies in tone/pitch with signal strength
- Works on energized or de-energized circuits (0 - 600V AC/DC)
- Four sensitivity levels
- Peak reading bar graph
- 2-year warranty



Description	Part No.
Receiver with super-bright OLED Rotating Display (in 90° increments) - Kit includes Transmitter TR-955, Receiver RC-959, Lead Set TL-956, Inductive Clamp IC-958, Battery Pack BP-958 & Strap 61-565, Hard Carrying Case C-959, Batteries and Instruction Manual	61-959
Receiver with super-bright OLED Rotating Display (in 90° increments) - Kit includes Transmitter TR-955, Receiver RC-959, Lead Set TL-956, Hard Carrying Case C-957, Batteries and Instruction Manual	61-957
Receiver with Rotating red LED Display (in 180° increments) - Kit includes Transmitter TR-955, Receiver RC-955, Lead Set TL-956, Hard Carrying Case C-955, Batteries and Instruction Manual	61-955

Kit Components	61-959	61-957	61-955
Transmitter	TR-955	TR-955	TR-955
Receiver	RC-959	RC-959	RC-955
Tracer Test Lead Set	TL-956	TL-956	TL-956
Inductive Clamp Transmitter	IC-958	_	_
Battery Pack & Strap (61-565)	BP-958	_	_
Hard Carrying Case	C-959	C-957	C-955
Batteries	•	•	•
Instruction Manual	•	•	•
Battery Pack Strap	61-565	_	_

Notes:

- Circuit breaker identification is not possible using the inductive clamp. Connect directly to the H-N for breaker or fuse identification.
- The inductive clamp is intended for use on de-energized closed loop circuits, low voltage conductors, or live circuits up to 120V AC with less than 5 Amps of current flowing.
- All instruction manuals are included and are available on-line at http://www.idealind.com/ideal-electrical/us/en/ products/test-measurement/circuit-tracers/suretrace-circuit-tracer-61-959.aspx#resources.

Cases only compatible with current components.





61-959



RC-959 Receiver

- Super-bright OLED display
- · Rotating display (in 90° increments)
- Displays 0-99 numeric signal strength
- Four sensitivity levels
- CertainCircuit[™] detection
- · Peak reading bar graph
- Audible indication (variable pitch/tone)
- · Displays battery life remaining
- Supplied with 3 AA batteries



Description	Part No.
Receiver	RC-959

TR-955 Transmitter

- Rated for use on circuits from 0 to 600V AC/DC
- · Works on de-energized circuits
- · Can be used on GFCI protected circuits
- Indicates presence of AC/DC voltage
- DC and clean 50 and 60Hz waveforms only, incompatible with VFD outputs.
- Low battery indicator
- Supplied with 4 AA batteries

Description	Part No.
Transmitter	TR-955

Inductive Clamp & Battery Pack

- · Induces a signal in a conductor
- · 1 in. jaw opening/6 ft. cord
- Works on de-energized circuits and energized circuits up to 120VAC, with less than 5 amps, also low voltage wiring & metal conduit
- Powered solely by a separate battery pack (supplied with 8 C-cell batteries)
- Battery pack has magnetic strap for hanging in panels



Included in 61-659 kit only.



- Red LED display (suitable for indoor lighting conditions)
- Rotating display (in 180° increments)
- · Displays 0-99 numeric signal strength
- Four sensitivity levels
- CertainCircuit™ detection
- · Peak reading bar graph
- · Audible indication (variable pitch/tone)
- Displays battery life remaining
- Supplied with 3 AA batteries



Description	Part No.
Receiver	RC-955



and the second s	
Replacement Parts	Part No.
Cradle for Receiver (threaded for use on standard extension pole)	CR-959
Fuse (for TR-955 Transmitter) - Contact Technical Services for information/availability	F-956
Lead/Adapter Kit (contains items 1 through 6 below)	TL-956
1. 3 ft. Lead Adapters for Transmitter (set of 2)	_
2. 25 ft. Lead Adapter for Transmitter	_
3. Alligator Clips for Lead Adapters (set of 2)	_
4. Blade Prongs for Lead Adapters (set of 2)	_
5. Prong for Lead Adapters	_
6. Outlet Plug Adapter for Transmitter	_

TIGHTSIGHT™ CLAMP METERS

Problem: Have you ever had to measure the circuit current in a confined, dimly lit and hard to reach location?



Solution: IDEAL TightSight™ Clamp Meter! This meter allows the user to safely and easily view current measurements with the exclusive second TightSight® display.



Safety

- Patented TightSight™ display lets you easily view readings while keeping your head at a safe distance from the panel no more need to twist the meter or risk pulling on an energized conductor
- · Easy-to-read backlit display with large numbers and icons so you can always see the correct reading
- Selectable audible and visual alerts when potentially hazardous voltages are detected at the probe terminals
- · Electronic overload protection on all ranges
- · Supplied with test leads complying with UL 61010-031

Productivity

- Read instantaneous values while clamped instead of holding the reading, unclamping, moving and then viewing
- · Hook tip for easy wire separation and tapered jaws for reaching into tight spaces
- Help troubleshoot with min and max value readings over a period, i.e. nuisance tripping and power supply fluctuations
- True RMS provides accurate readings of non-sinusoidal voltages and currents
- Broad current range from 0 to 1000 amps (61-770 series) covers multiple applications
- Large jaw diameter for cables up to 2" (51mm) in diameter (770 series only)

Value

- · Includes carrying case and test leads with alligator clip
- Full AC/DC capabilities: the Tightsight[™] is equally adaptable for both AC and DC current measurement requirements – such as solar, public transportation, and battery backup applications (Models 61-765 & 61-775)
- · Calibration services available
- · 2-year warranty

Visit clamp-meter.com for more information.



TightSight™ 1000A Clamp Meters

- TightSight[™] bottom display
- · Tapered jaws with hook tip
- · True RMS current and voltage
- · AC/DC Voltage
- · Audible continuity
- High frequency rejection*
- · Peak hold
- · Max/min hold
- · Data hold
- Selectable audible and visual alerts when potentially hazardous voltages are detected at the probe terminals
- · Selectable auto power off
- · Backlit display
- · Low battery indicator
- * Reads accurately on noisy electrical circuits.

Description	Part No.
1000A AC Clamp Meter	61-773
1000A AC/DC Clamp Meter	61-775

Includes: Carrying Case and Test Leads w/Alligator Clips.

TightSight™ 660A Clamp Meters

- TightSight[™] bottom display
- · Tapered jaws with hook tip
- · True RMS current and voltage
- AC/DC Voltage
- · Audible continuity
- · High frequency rejection*
- · Peak hold
- Max/min hold
- Data hold
- Selectable audible and visual alerts when potentially hazardous voltages are detected at the probe terminals
- · Selectable auto power off
- Backlit display
- · Low battery indicator
- * Reads accurately on noisy electrical circuits.

Description	Part No.
660A AC Clamp Meter	61-763
660A AC/DC Clamp Meter	61-765

Includes: Carrying Case and Test Leads w/Alligator Clips.

		•			
Specifications	61-773	61-775	61-763	61-765	Accuracy
AC Current	0.0-999.9A 0.0-660.0A		660.0A	2.0%	
DC Current	_	0.0-999.9A	_	2.0%	
AC Voltage		0.0-750.0V			
DC Voltage		0.0-999.9V			1.0%
Resistance	0.0-999.9Ω			1.5%	
Capacitance	0.0-999.9µF			5.0%	
Continuity	0.0-999.9Ω			Audible @ <30Ω	
Frequency (clamp head or test leads)	20.0-400.0Hz			0.5%	
Jaw Size	2" (51	lmm)	1.42"	_	

Accessories	Part No.
Test Leads w/Large Alligator Clip	TL-770
Nylon Carrying Case (for 61-763 & 61-765)	C-760
Nylon Carrying Case (for 61-773 & 61-775)	C-770







Clamp-Pro™Clamp Meters 600 Amp (740 Series)



- · Measures up to 600A AC
- Non-contact voltage indicator (70V-600VAC)
- · Audible continuity
- · Tapered jaws with hook tip
- · Auto/manual ranging
- · Data hold
- · Auto power off
- · Low battery indicator





Description	Part No.
600A AC Clamp Meter	61-744
600A AC Clamp Meter w/TRMS	61-746

Includes: Carrying Case and Test Leads.

Specifications	Range & Resolution	Accuracy
AC Current	40.00/400.0/600A	1.7%
AC Voltage	400.0/600 V	1.2%
DC Voltage	400.0/600 V	0.5%
Resistance	400.0/4.000k/ 40.00k 400.0k/4.000M/40.00M Ω	1.0%

Jaw opening is 1.25" (32mm).

4-in-1 Test Tool



- · 200AAC current capability
- · Non-contact voltage (40-600VAC)
- Visual, audible and tactile (shaker) indication of high AC/DC voltage at terminals
- · Clean voltage indicator
- Max hold
- · Audible continuity
- · Low battery indication
- · Integral lead storage
- Auto power off
- · Ergonomic hourglass shape
- · Compact clamp head





Description	Part No.
4-in-1 Test Tool w/TRMS, Backlight	61-704

Includes: Carrying Case and Silicone Test Leads.

Specifications	Range & Resolution	Accuracy
AC Voltage	2000m/200.0/750 V	1.2%
DC Voltage	2000m/200.0/1000 V	0.5%
AC Current	200A	3.0%
Resistance	200.0/200.0k Ω	1.0%
Capacitance	200.0µ F	3.0%

Jaw opening is 1.3" (33mm).

Clamp Meter Selection Guide

	700		740 Series		60 ries	770 Series	
	40	44	46	93	(65	773	75
CLAMP METER SELECTION GUIDE	61-704	61-744	61-746	61-763	61-765	61-773	61-775
MEASUREMENT FUNCTIONS							
AC Voltage			•	•	•	•	•
DC Voltage					•		•
AC Current			•	•	•	•	•
DC Current							•
Resistance			•	•	•	•	•
Audible Continuity						•	•
Diode Test							
Capacitance						•	•
Frequency				•	•	•	•
FEATURES							
Display Type (Digital)	D	D	D	D	D	D	D
AC Current Capacity - Amps	200	600		660	660	1000	1000
DC Current Capacity - Amps					660		1000
True RMS			•				
Auto Ranging							
Auto/Manual Ranging					•	•	•
Data Hold				•	•	•	•
Max Hold							
Peak Hold				•	•	•	•
Min/Max				•	•	•	•
DCA Zero					•		•
Auto Power Off	•	•	•	•	•	•	•
Non-Contact Voltage Indication		•	•				
Harmonics Indicator	•						
Vibration Mode							
Backlight	•			•	•	•	•
Low Battery Indication	•	•	•	•	•	•	•
High Voltage Warning	•			•	•	•	•
Overload Protection on all Ranges		•	•	•	•	•	•
Conductor Size - Inches (mm)	1.3' (33	1.5" (38)	1.5") (38)	1.4" (36)	1.4" (36)	2.0" (51)	2.0" (51)
Warranty (years)	2	2	2	2	2	2	2
CERTIFICATIONS							
UL 61010 Listed	•	•	•	•	•	•	•
Category Safety Rating at 600 volts		Ш	Ш	IV	IV	IV	IV
Category Safety Rating at 1000 volts	III			Ш	Ш	Ш	Ш

BRANCH CIRCUIT ANALYSIS & TESTING

Proper wiring is crucial to ensure safety and performance of Branch circuits. From a safety perspective, shock hazards and fires are mainly due to poor installation or failure of protective devices, such as GFCIs. From a performance perspective, electrical equipment and high-tech devices are found everywhere in residential and commercial buildings. They require reliable power to operate and function properly and to ensure their longevity.

IDEAL has a long history of providing the professional electrician with the tools and knowledge required to safely and efficiently verify and analyze Branch Circuits. So, whether you are; conducting routine measurements, testing installed devices or the integrity of a Branch Circuit, locating a breaker, or tracing wires, IDEAL has the tools for the job.





SureTest® Circuit Analyzer

Have wiring issues ever required you to remove multiple outlet covers and pull outlets out of their boxes to look for a problem? Have you ever suspected that wiring integrity is the issue but your meter shows 120 volts and your receptacle tester indicates wiring is correct?

The SureTest® Circuit Analyzer from IDEAL is a comprehensive branch circuit analyzer that allows you to "look behind the walls" to find wiring problems, saving you time and money while letting you get the job done with safety and confidence.

SureTest Circuit Analyzer finds many of the toughest problems:

Bootleg Grounds have been fooling inspectors for years

when checking circuits for integrity. Receptacle (Plug) testers test for voltage and can't identify this improper wiring condition. Bootleg grounds set up the potential for dangerous undetected fault conditions.

> **Traditional receptacle** test indicates circuit is good.

Solution: The SureTest® by IDEAL can't be fooled, its advanced processing software gives it the capability to auickly identify bootleg grounds within 15 ft. of the outlet being tested.

IDEAL SureTest™ clearly identifies a fault with the ground.

True RMS

Improper Installations can result in electrical fire hazards. personal shock hazards, and premature equipment failure.







Improper solid

Improper stranded wire connection. wire connection.

Improperly torqued circuit breaker lugs.

Solution: The SureTest® measures and displays individual Line Impedance giving the electrician/inspector valuable insight as to whether a particular

conductor is the problem due perhaps to faulty splicing, overly long conductor runs, or undersized wire gauge.

Excessive voltage drop in a circuit can cause lights to flicker or burn dimly, heaters to heat poorly, and motors to run hotter than normal and burn out. It also causes overheating of components, often resulting in expensive damage or fire.

- Measures voltage drop under load*
- Hot, neutral, and ground conductor impedances
- Estimates Load on Line (ELL) up to 15A
- Tests GFCIs and EPDs for proper operation
- Super-bright OLED display
- True RMS

- Identifies proper wiring in 3-wire receptacles
- Identifies false (bootleg) grounds
- Tests without disturbing sensitive loads
- Verifies isolated grounds (with 61-176 adapter)
- · 2-year warranty

*12A, 15A, 20A load tests

Description	Part No.
SureTest® Circuit Analyzer	61-164

Includes: Carrying Case and Extension Cord.

Solution: SureTest® measures the line voltage under simulated load conditions. Results are displayed for 12A, 15A, and 20A loads.



Specifications	Range & Resolution	Accuracy
AC Voltage	85.0 - 265.0 VAC	1.0%
Frequency	45.0 - 65.0 Hz	1.0%
Impedance	0.00 - 3.00 Ω	5.0%
Ground-Neutral Voltage	0.0 - 24.0 VAC	2.0%
% Voltage Drop 12A, 15A, 20A load tests	0.1% - 50.0%	5.0%
GFCI Test Current/Time	6.0 - 9.0 mA 0.0 - 6500 mS	2.0%

Accessories	Part No.
Ground Continuity Adapter	61-175
Isolated Ground Adapter	61-176
Alligator Clip Adapter	61-183
1' Extension Cord	61-182
Nylon Carrying Case	61-179

The SureTest® Circuit Analyzer is designed for use on 120 VAC clean power, (no dimmer switches), Hot to Neutral and ground only. Certain calculations are not possible when no ground is present. It is protected against inadvertent connection to 240 volts but should be unplugged IMMEDIATELY and no buttons should be pressed, it is not intended for use on split (balanced) 60-60 volts systems.

Circuit Breaker Finder w/GFCI Receptacle Testing and **Non-Contact Voltage Sensing**

Locating breakers is often a two person job, one turning off breakers, the other waiting to see when a specific circuit is de-energized. It is frequently done by trial and error, or even by dangerously grounding a wire to the box to trip a breaker.

When locating breakers becomes needlessly time consuming and short cuts are taken, nobody wins. It was with this challenge in mind that IDEAL developed the Digital Circuit Breaker Finder.

The patented 61-534 Digital Circuit Breaker Finder from IDEAL makes locating breakers in AC circuits quick and easy. No need to interrupt the supply - simply plug the transmitter into an outlet, then two quick passes of the receiver over the breakers will reveal the associated breaker with clear audible and visual indicators. The 61-534 Digital Circuit Breaker Finder enables safe and reliable working by taking the guesswork out of circuit identification.

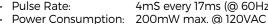
The IDEAL 61-534 Circuit Breaker Finder provides three testers in one device. The receiver identifies breakers by detecting a signal applied to the branch circuit by the transmitter, and additionally incorporates a non-contact voltage sensing function. The transmitter also works as a GFCI receptacle tester, allowing you to verify AC is present in an outlet and to detect nearly all common improper wiring conditions. So you get the functionality of a circuit breaker finder, a non-contact voltage tester, and a GFCI receptacle tester in one versatile tool.

Features & Specifications Transmitter

- · Triple function acts as a Signal Transmitter, Polarity Indicator and GFCI Receptacle Tester
- · Tests for correct wiring, open ground, reverse polarity, open hot, open neutral, hot on neutral, hot and ground reversed with open hot in 3 wire, AC circuits
- · 3-pin plug format allows direct connection to standard NEMA 5 15R receptacles
- · Compatible with the latest generation of self-testing GFCIs
- Line powered (115-250VAC) Power Supply:

Supply Frequency: 47-63Hz Weight: 50g approx.

18A approx. @ 120V · Pulse Amplitude: 4mS every 17ms (@ 60Hz) Pulse Rate:



Description	Part No.
Circuit Breaker Finder w/Digital Receiver & GFCI Circuit Tester	61-534

Receiver

- Dual function acts as a Non-Contact Voltage Tester and Breaker Finder
- Ergonomic Bent Tip Design w/ flat surface to support correct receiver orientation when scanning the panel
- Visual and audible indicators
- Low battery detect
- Auto Power off (after 10 mins. of no activity)
- Power Supply: 9V Alkaline Battery
- Weight: 85g (without battery)

System

Warranty: 2-years (limited) Certification: UĽ 1436 Use Environment: Cat II 300V

Operating Temperature: 32 to 122°F (0 to 50°C)

Split-Jaw™ Smart Meter

Measures 0.9-200AAC 1.3-750VAC 2.1-1000VDC $0.0-9999\Omega$

- · Integral lead storage
- · Replaceable test leads
- · Auto power off
- · Low battery indication
- Audible continuity · Test leads UL 61010-031 compliant
- Data hold · 2-year warranty

Description	Part No.
Split-Jaw™ Smart Meter	61-096

Includes: Test Leads.

Specifications	Range & Resolution	Accuracy
AC Voltage	1.3 - 750 V	1.5%
DC Voltage	1.8 - 1000 V 0.6 - 1000 V	1.0%
AC Current	0.6 - 200.0A	3.0%
Resistance	0 - 2000 Ω	1.0%

*Note: Jaw opening is 0.6 in. (16mm) - up to 1/0 copper cable.



486 Commercial-Grade Multimeter

· Analog bar

voltage

detection

Peak hold

Low battery

indication

Auto power

warranty

Limited 2-year

off

Non-contact

graph

- · Voltage
- Current
- Resistance
- Audible continuity
- Capacitance
- Frequency
- Temperature
- Min/max/relative modes
- Backlight
- True RMS
- Data hold







ımpedance (Auto - VLo∠)	C UL US COOV
Description	Part No.

Description	Part No.
Digital Multimeter w/peak hold, temperature, includes thermocouple	61-486

Includes: Test Leads, Thermocouple & Carrying Case.

Specifications	Range & Resolution	Accuracy
AC Voltage	6.000/60.00/600.0/1000.0 V	0.80%
AC mV	600.0 mV	1.2%
DC Voltage	6.000/60.00/600.0/1000.0 V	0.08%
DC mV	60.00/600.0 mV	
AC Current	60.00m/600.0m/6.000/10.00A	1.2%
DC Current	t 60.00m/600.0m/6.000/10.00A 0	
Resistance	600.0/6.000k/60.00k/600.0k/ 6.000M/40.00M Ω	0.80%
Capacitance	1nF to 10mF	0.1%
Frequency	99.9 to 100.0k Hz	0.1%
-40°F to 752°F (-40°C to 400°C)		1.0%

340 Series Test-Pro® Multimeters

- Voltage
- Current
- Resistance
- Audible continuity .
- Capacitance
- Frequency
- Temperature
- Data hold
- Min/max/relative modes
- Backlight

· Low battery indication

Auto power

Limited 2-year warranty







Description	Part No.
Test-Pro® Multimeter w/TRMS	61-342
Test-Pro® Multimeter	61-340

Includes: Test Leads and Thermocouple.

Specifications	Range & Resolution	Accuracy
AC Voltage	4.000/40.00/400.0/600 V	1.5%
DC Voltage	400.0m/4.000/40.00/400.0/600 V	0.5%
Current	400.0µ/4000µ/40.00m/400.0m/ 4.000/10.00A AC/DC	1.5%
Resistance	400.0/4.000k/40.00k/400.0k/ 4.000M/40.00M Ω	1.0%
Capacitance	40.00n/400.0n/4.000μ/ 40.00μ/ 400.0μ F	3.0%
Frequency	10.000/100.00/1.000k/10.00k/ 100.0k/1.000M/4.000M Hz	0.3%
Temperature	-4° F to 1382° F (-20° C to 750° C)	3.0%

Accessories	For Use with	Part No.
Nylon Carrying Case	61-340, 61-342	C-290
Test Leads w/Alligator Clips, Standard	61-340, 61-342, 61-486	TL-495
Test Leads w/Larger Alligator Clip	61-340, 61-342, 61-486	TL-770
Test Leads with Alligator Clips, Premium	61-340, 61-342, 61-486	TL-795
Beaded K-type Thermocouple*	61-340, 61-342, 61-486	61-461
Thermocouple Adapter*	61-340, 61-342, 61-486	61-465
Replacement Thermocouple	61-486	TC-486

^{*}Note: K-type thermocouple plugs into digital multimeter voltage jacks with 61-465 adapter.

Solenoid Voltage Testers

· Extremely rugged and reliable

Vibrates when AC voltage is present

- Indicates AC/DC voltage level
- Replaceable leads with shielded probe tips (UL 61010-031 compliant)
- Bright, long-life LED's and neon indicator lamp
- Dual voltage indication for backup safety

2-year warranty





61-051

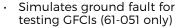
61-035

Description	Part No.
Vol-Con® Voltage/Continuity Tester, 5-600V AC/DC	61-076
Vol-Test® Voltage Tester, 100-600V AC/DC	61-065
Nylon Carrying Case	C-90
Standard Test Leads (for use with 61-076 & 61-065)	61-070
Resistor Fused Leads (for use with 61-076 & 61-065)	61-072
Replacement 1.5V Batteries, 4/pack	61-201

Includes: Standard Test Leads.

E-Z Check® Circuit Tester

· Tests for correct wiring, open Ground, reverse polarity, open hot, open neutral, hot on neutral, hot and ground reversed with open hot in 3-wire, 120VAC circuits



- No-slip ergonomic design maximizes comfort
- Premium neon lamps prevent false readings
- Tough, impact-resistant case
- 2-year warranty

Description	Part No.
E-Z Check® Plus GFCI Circuit Tester	61-051
E-Z Check® Circuit Tester	61-035





Receptacle Tester

- Tests for correct wiring in 3-wire receptacles
- For use on 120VAC circuits
- 1-year warranty



Description	Part No.
GFCI Receptacle Tester	61-501

Vol-Con® Elite Digital **Voltage Tester**

Tests for AC Voltage from 24-600VAC and DC Voltage from 6-220VDC

- Visual and audible warning
- Audible continuity
- Non-contact voltage indication (40-600VAC)
- Low impedance to eliminate ghost voltages
- Low battery indicator
- Replaceable silicone test leads (UL 61010-031 compliant)
- Integral lead storage
- 2-year warranty







Description	Part No.
Vol-Con® Elite Digital Voltage Tester w/vibration mode	61-092
Nylon Carrying Case	C-90
Silicone Test Leads	TL-102

Includes: Silicone Test Leads.

VoltAware™ Non-Contact **Voltage Tester**



- Indicates presence of voltage from 40-1000VAC
- Visual indication of voltage; green LED shows unit is active, flashing red live indicates voltage
- Selectable audible indication of voltage
- Sleek, compact design
- Auto shut-off to conserve battery life after 10 minutes
- Low battery detector and easy battery (2 AAA included) replacement
- 2-year warranty







Description	Part No.
VoltAware™ Non-Contact Voltage Tester	61-025

VoltSensor™ Non-Contact Voltage Testers

- · Tests for voltage from 40-600VAC
- · Audible and visual indication
- · 1-year warranty

Description	Part No.
VoltSensor™ Non-Contact Voltage Tester	61-063

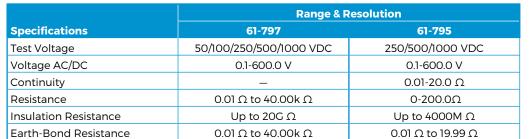


Insulation Testers

- · Checks new installations for damaged insulation
- · Checks existing installations and motor windings for breakdowns in insulation
- 2-year warranty

Description	Part No.
Insulation Meter w/PI, DAR, Includes Remote Probe, Test Leads and Carrying Case	61-797
Remote Probe Test Lead (61-797)	TL-797RP
Insulation Tester - Includes Test Leads and Carrying Case	61-795
Test Leads w/Alligator Clips, Premium (for 61-795 & 61-797)	TL-795









Ground Resistance Meters

- Auto ranging
- · Auto power off
- Hard case included
- 2-year warranty

Description	Part No.
Ground Resistance Clamp Meter	61-920
3-Pole Ground Resistance Tester (includes TL-796 lead set kit)	61-796
Earth Resistance Lead Set Kit (not shown)	TL-796





	Range & Resolution	Accuracy	Range & Resolution	Accuracy
Specifications	61-920		61-	796
Ground Resistance	0/120/1200 Ω	1.5%	20.00/200.0/ 2000 Ω	2.0%
Ground Leakage Current	100m/1000m/ 15/30 A	2.0%	_	_

3-Phase Sequence Tester

- · For use from 120 to 600VAC
- · Color-coded insulators
- · Shock resistant housing
- · Easy to read
- · 2-year warranty

Description	Part No.
3-Phase Sequence Tester	61-520

Includes Carrying Case.

3-Phase/Motor Rotation Tester

- Identifies three-phase sequence
- Indicates motor rotation
- Checks for open phases
- · For use up to 600VAC
- · 2-year warranty



Description	Part No.
3-Phase/Motor Rotation Tester	61-521
Test Lead Set	TL-521

Includes Carrying Case.

Digital Light Meter

- · Responds to all visible light sources
- Measures in four ranges up to 20,000 Foot Candles or 200,000 Lux
- · +/- 3% basic accuracy
- · Data hold mode
- · Max reading mode
- · Auto zero adjustment
- · Low battery indication
- · Auto power off
- · Remote sensor with 59 in. (1.5m) cable
- · 2-year warranty



Description	Part No.
Digital Light Meter	61-686

Includes Carrying Case.

Ground Continuity Adapter

 Verifies cabinet or equipment chassis has been properly bonded to system ground



Description	Part No.
Ground Continuity Adapter for 61-164 Circuit Analyzer	61-175

Isolated Ground Adapter

 Verifies receptacle is isolated from system ground and bonded to other devices on the branch circuit



Extension Cord

Description
1' Extension Cord for 61-164 Circuit Analyzer

Part No. 61-182

Alligator Clip Adapter

Allows SureTest® Circuit
 Analyzer to analyze non-outlet based circuit for branch circuit safety and performance



Description	Part No.
Alligator Clip Adapter for 61-164 Circuit Analyzer	61-183

Magnetic Strap



- · Frees up hands to help work safely
- Fits 480/340 Series Multimeters and Battery Pack BP-958

Description	Part No.
Magnetic Strap	61-565

Thermocouple



- Measures up to 275°F
- K-type thermocouple plugs into digital multimeter voltage jacks with 61-465 adapter

Description	Part No.
Beaded K-type Thermocouple	61-461
Thermocouple Adapter	61-465
Replacement Thermocouple for 61-486 Digital Multimeter	TC-486

Test Leads



Description	Category Rating	Part No.
Test Leads		TL-95
Silicone Test Leads	CATIII 1000V CATIV 600V	TL-102
Test Leads w/alligator clips (standard)		TL-495
Test Lead Set		TL-521
Premium Test Leads w/alligator clips	CATIII 1000V CATIV 600V	TL-770
Test Leads w/alligator clips (premium)		TL-795
Earth Resistance Lead Set		TL-796
Remote Probe Test Lead		TL-797RP
Test Lead Set		TL-956
Standard Test Leads (for use with 61-076 & 61-075)		61-070
Resistor Fused Test Leads (for use with 61-076 & 61-075)		61-072

For more detailed information on the selection of replacement fuses and carrying cases, please visit our website at idealind.com.

Carrying Case Selection Guide

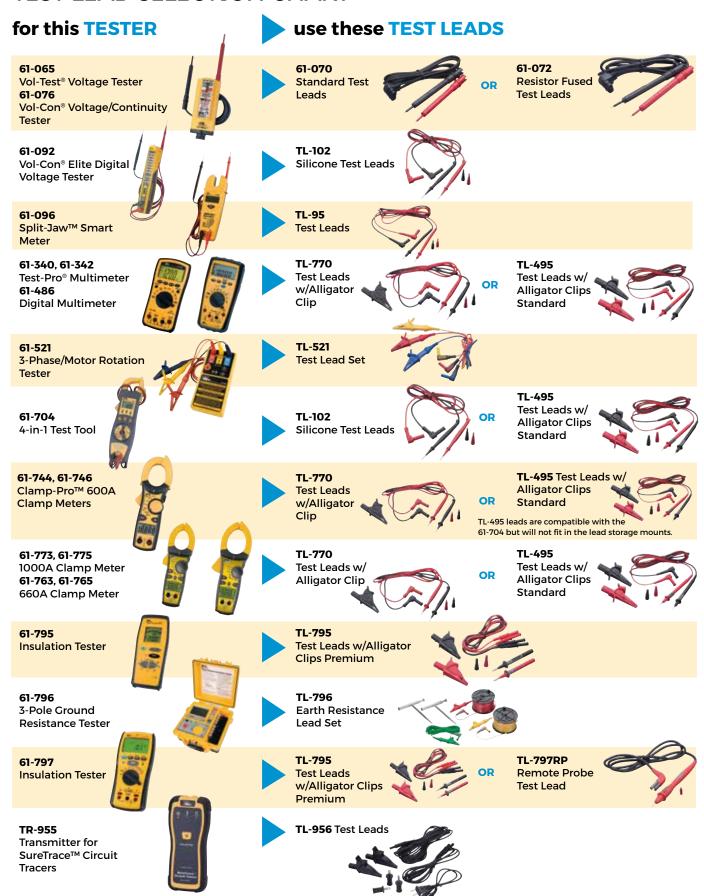


			VOLT			160	340		480	700	740		760		770	
Selection	on Guide	61-065	61-076	61-092	960-19	61-164	61-340	61-342	61-486	61-704	61-744	61-746	61-763	61-765	61-773	61-775
61-179	Nylon Carrying Case					•										
C-90	Nylon Carrying Case	•	•	•	•						•	•				
C-290	Nylon Carrying Case						•	•	•							
C-700	Nylon Carrying Case									•						
C-760	Nylon Carrying Case												•	•		
C-770	Nylon Carrying Case														•	•

Replacement Parts Selection Guide

			060	070	09	90	34	0	480	500	700	740		760		760 770		790			90		
Selection	Guide		61-065	61-076	61-092	960-19	61-340	61-342	61-486	61-521	61-704	61-744	61-746	61-763	61-765	61-773	61-775	61-795	961-19	61-797	61-955	61-957	61-959
FUSES	- Curac																						
F-105	1A (600V)	10.3 x 35mm																•					
F-340	0.5A (500V)	6.35 x 32mm																					
F-341	10A (1000V)	10 x 38mm					•	•															
F-497	440mA (1000V)	10 x 35mm							•														
F-797	315mA (1000V)	5 x 32mm																		•			
BATTERIE	S																						
_	1.5V (AAA)											•	•					•		•			
_	9V						•		•		•			•			•						
TEST LEA	DS																						
TL-796	Earth Resista	nce Lead Set																					
TL-797RP	Remote Prob	e Test Lead																		•			
TL-102	Silicone Test	Leads																					
61-070	Standard Test	t Leads	•	•																			
TL-770	Test Leads w/	larger Alligator					•		•			•				•							
TL-95	Test Leads					•																	
TL-495	Test Leads w/ (Standard)	Alligator Clips					•	•	•														
TL-521	Test Lead Set									•													
TL-795	Test Leads w/ (Premium)	Alligator Clips					•	•	•									•		•			
TL-956	Test Lead Set																				•	•	•

TEST LEAD SELECTION CHART



SAFETY IN THE FIELD

IEC (International Electrotechnical Commission) Category Ratings

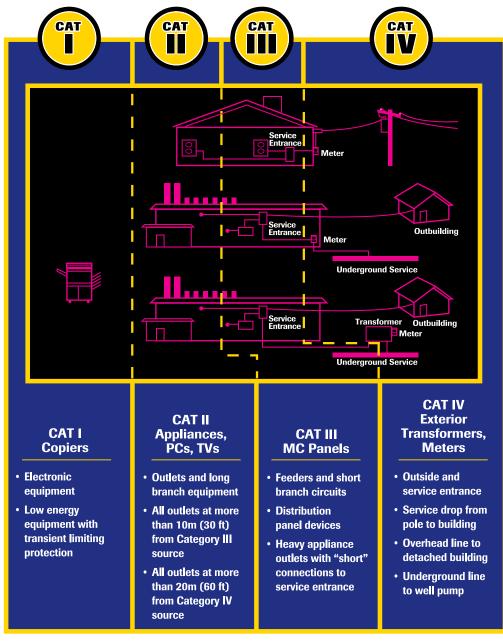
Category I - The signal level for telecommunications, electronic and other low-energy equipment with transient limiting protection. Peak impulse transient range is 600-4,000 volts with 30 ohm source.

Category II - The local level for fixed and non-fixed powered devices including appliances, lighting and portable equipment. Outlets located more than 30 feet from CAT III sources and 60 feet from CAT IV sources. Peak impulse transient range is from 600-6,000 volts with a 12 ohm source.

Category III - The distribution level for fixed primary feeders or branch circuits. Circuits that are separated from CAT IV sources by at least one level of transformer isolation. Peak impulse transient range is 600-8,000 volts with a 2 ohm source.

Category IV - The primary supply level for the highest levels of transient over voltage. Includes the utility service both outside and at the service entrance, service drop from the pole to the building, overhead line to remote buildings, and underground line to a well pump. Peak impulse transient range is 600-12,000 volts with less than a 1 ohm source.

Visit idealind.com for more technical product details, application support, white papers, videos and software.



DATACOMM

EHANCE EXISTING TECHNOLOGIES AND PROVIDE A FOUNDATION FOR TOMORROW

IDEAL DataComm provides installation and testing solutions for twisted pair, coax and fiber based on applications. Designed for the professional, IDEAL tools, testers and connectivity products offer an integrated approach to cut, strip, terminate and test a wide variety of low-voltage applications. Combined with our technical expertise, product training and customer support, this integrated approach ensures that your total cost of ownership is minimized.

OmniSeal™ Pro XL

#30-793

TESTERS

Signallek® Transmission Testers	E-≾
VDV II Cable Verifiers	E-3
TraceTone® Tone Generator & Amplifier Probe	
Tester	E-4
LinkMaster™ Tester	E-4

COMPRESSION TOOLS/ CONNECTORS

OmniSeal™ Pro XL Compression Tool E-5
LinearX®3 Compression ToolE-5
Compression Connectors F-6

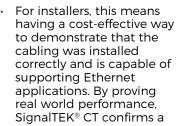
TWISTED PAIR TOOLS/ CONNECTORS

Crimpaster™ Crimp Tool	E-7
Punchdown Tool	
Telephone Tools	E-9
Modular Plugs	
Data Jacks	E-11
Strippers	E-13
Cutters/Scissors	
Splitters	E-14
Kits	E-15
Visual Fault Finder	E-17
Fiber Optic	E-18



SignalTEK® Ethernet Data Transmission Testers

 If you install or maintain data cabling, SignalTEK® CT & SignalTEK® NT allow you to generate PDF test reports that prove installed links run at Gigabit Ethernet transmission rates.





professional job -reducing the risk of call backs.

- SignalTEK® NT tests cable as well as active Ethernet networks by transmitting simulated web, VoIP, IP video and IP CCTV data through the LAN, stresstesting both the network equipment and the cable. SignalTEK® NT will also test fiber optic cable and connect to live fiber optic LANs with optional SFP (small form-factor pluggable) modules.
- SignalTEK® gives network installers and owners the assurance that installed cabling will support bandwidth hungry services like VoIP, IP CCTV and video streaming at full gigabit speeds without dropping data packets as required by the IEEE 802.3ab Ethernet standard.

Description	Part No.
SignalTEK® CT Transmission Tester	R156004
SignalTEK® NT Transmission Tester (fiber)	R156003

VDV II Voice, Data and Video Cable Verifier

The VDV II Series are easy to use cable testers that check the integrity of copper cables commonly found in domestic, commercial or industrial voice, data or video installations, including telephone wiring, data network and video/security cabling.

- Accurate Advanced TDR
 (Time Domain Reflectometry)
 measures cable length and provides distance to fault information (Pro model)
- Fast Identifies wiring errors instantly and displays the results all on one screen (all models)
- Intelligent Quickly determines which media service is running over cables, such as ISDN, PBX and PoE (Pro model)

Description	Part No.
VDV II Cable Verifier	R158000
VDV II Plus Cable Verifier	R158002
VDV II Pro Cable Verifier	R158003
RJ-45 Remote Units (12) - #1 - #12	158050
RJ-45 Identifiers (24) - #1 - #24	158051
Coax Remote Units (12) - #1 - #12	158053

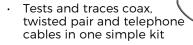
Description	VDV II Basic	VDV II Plus	VDV II Pro
Wiremap Test - open, short, split pair, miswire, uplink	x	x	x
Compatibility with all VDV II removes and ID's	x	x	x
Analog Tone Generator - 4 tones	X	Х	Х
Larger LCD screen		X	X
Hub Blink/Backlight		X	X
Length - Capacitance (distance to opens and total length)		x	
TDR Length (distance to shorts, opens and total length)			x
POE Solicit and Detect/Voltage Measurement			х
Ethernet Service Detection - 10/100/1000MB; FD/HD			x
Phone Service (voltage) detection - PBX/ISDN/Analog/Digital			х
Included carrying case with patch cables/adapters		X	X

Visit vdvii.com for more information on the VDV II.

DATACOMM

Test-Tone-Trace Kit

Kit includes the VDV (33-856), Amplifier Probe (62-164), carrying case and accessories





Description	Part No.
Test-Tone-Trace Kit	33-866

VDV MultiMedia Cable Tester

All in one tester for installers working with voice, data and video applications.

- Voice tests 2 or 3 pair, 6-position RJ-11/12 phone cables for wiremap/ continuity.
- Data tests 8 position 8 contact CAT 3/5e/6/6a shielded and unshielded cable testing for wiremap/continuity to TIA 568A/B standards
- Video tests coax cable for opens and shorts via F-connector interface
- Wiremap tests for opens, shorts, miswires, reversals and split pairs.
- LCD display with "PASS or ERROR" indicator displayed after each test
- Internal tone generator: Tone by pin/pair/entire cable with four different tones making fault isolation easier
- Main remote stores in base of tester

Description	Part No.
VDV MultiMedia Cable Tester	33-856
Replacement Remote	IA-5516

LinkMaster™ Tester

LED based tester for wiremapping CAT 3/5e/6/6a twisted pair cabling.

- Wiremap for opens, shorts, reversal, miswire and split
- Tests by pair: 1/2, 3/6, 4/5, 7/8
- Tests shielded and unshielded RJ-45 cabling
- Debug feature cycles through errors one at a time

Description	Part No.
LinkMaster™ Tester and Remote	62-200

MiniTracker[™] PRO Tester

- Coax cable mapper and tracer with eight remotes
- LEDs identify remote number. opens and shorts
- **Built in Tone Generator**
- Includes carrying case with tester and remote storage

Description	Part No.
MiniTracker™ PRO Tester	62-1202

PRO Amplifier Probe and Tone Generator Kit

Amplifier Probe

- Identifies and traces wire or cables within a group
- Adjustable volume knob
- Detects and audibly amplifies analog tone generation
- Compatible with analog tone generators

Tone Generator

- · Emits three tone patterns
- F-Connector & RJ-11/12 interface for toning twisted pair and copper cables
- Includes alligator clips for toning de-energized copper cables
- Auto-off after three hours of non-use

Description	Part No.
Amplifier Probe & Tone Generator Kit - includes 62-164, 62-160, Lead Set, Cable Assembly	33-864
Amplifier Probe	62-164
Amplifier Probe Replacement Tip	LA-4145
Tone Generator	62-160

TRACETone® Tone Generator

Economical solution for tracing copper low-voltage cabling

& Amplifier Probe Tester

Two selectable tone styles and adjustable volume control

RJ-11 Alligator Clip, RJ-11 Cable Assembly included

Description	4	Part No.
TRACETone® Tester		62-140

OmniSeal™ PRO XL Compression Tool

- Compresses BNC, F-Type, RG11-F, RCA, 90°/Right Angle and Mini Coax compression connectors on coaxial cable
- Compresses ALL IDEAL compression connectors
- Fast and reliable solution to home theater, CATV, satellite systems and security applications
- · Permanent connection so your connector never comes loose.
- · Universal design with spin knob and adjustable post height works with most non-IDEAL compression connectors

Description	Part No.
OmniSeal™ PRO XL Compression Tool	30-793

LinearX®3 Compression Tool

- · Compresses F/BNC/RCA connectors
- Adjustable post for different length/style connectors





- · Durable & rugged zinc die-cast body with protective powder coated paint finish
- Includes four RTQ™ XR™ RG-6 Weatherproof F-Compression Connectors

Description	Part No.
LinearX®3 F/BNC/RCA Compression Tool (Adjustable) with four RTQ™ XR™ F-Connectors	33-632

Compression Connectors

RTQ™ XR™ Reg/Tri/Quad & Plenum F-Connectors

- · Fits 60% regular, tri-shield and quad shield cables
- Nickel-plated, brass-construction for superior corrosion resistance
- Designed for use in satellite and cable TV installations
- · Weatherproof for indoor and outdoor use
- Use 30-793 or LinearX® Compression Tool

RG-11 RTQ™ InSITE™ F-Connectors

- Fits 60% regular and quad shield RG-11 cables
- · Plenum cable version also available
- Use 30-793 Compression Tool for termination
- Standard 1/4" x 1/4" cable prep. Use 45-526 Coax Stripper

InSITE™ BNC Connectors

- · Clear 360° window for confident cable insertions
- Nickel-plated, brass-construction for superior corrosion resistance
- Moisture-inhibiting design
- Use 30-793 or 33-632 Compression Tool
- 75 Ohm nominal impedance
- · Gold-plated pin contact area
- · Available in straight, 90° and plenum versions

OmniCONN™ F-Connectors

- Non corrosive nickel plated brass body and polycarbonate bushing
- Nylon adapter sleeve and o-ring provide double protection for a watertight seal
- Free spinning hex nut for ease of installation onto all 7/16 ports
- 75 ohm nominal impedance
- · Two-piece pre-assembled connectors

NJX™ Connectors

- 75 ohm nominal impedance
- · Bandwidth up to 3 GHZ
- · Compatible with all IDEAL Compression Tools
- Designed for indoor use
- · RG-6 and RG-6 Quad versions

TLC™ Connectors

- No compression tool required
- · 75 ohm nominal impedance
- · Bandwidth up to 3 GHZ
- · Designed for indoor use
- RG-6 and RG-6 Quad versions



Visit idealind.com for connector and tool compatibility.

Compression Connectors

Туре		lmage	Series/Model #	Cable Type	Center Conductor	Dielectric Diameter	Jacket Diameter	Quantity	Part No.		
	6		InSITE™ Model #59BNCIS	RG-59	23-18 AWG Solid .023"040"	.142"148"	.230"250"	Card of 4 Card of 15 Jar of 35 Bulk 1,000	92-704 89-047 89-5047 89-1047		
O	RG-59		InSITE™ 90° Model #59BNCRAIS	RG-59	23-18 AWG Solid .023"040"	.142"148"	.230"250"	Card of 5	92-693		
BNC			InSITE™ Model #59PLBNCIS	RG-59 Plenum	23-18 AWG Solid .023"040"	.134" - 140"	.193" - 224"	Card of 15	89-049		
	RG-6	二位	InSITE™ RTQ™ Model #6BNCISRTQ	RG-6/6Q RTQ™ & Plenum 6/6Q RTQ™	23-18 AWG Solid .023"040"	.168" - 183"	.226" - 305"	Card of 4 Card of 15 Jar of 35	92-705 89-048 89-5048		
			InSITE™ 90° Model #6BNCRAISRTQ	RG-6/6Q RTQ™ & Plenum 6/6Q RTQ™	23-18 AWG Solid .023"040"	.168" - 183"	.226" - 305"	Card of 5	92-695		
			RTQ™ XR™ Model #6FRTQXR	RG-6/6Q RTQ™ & Plenum 6/6Q RTQ™	N/A	.168"183"	.226"310"	Card of 10 Jar of 50 Jar of 100 Bulk 1,000	92-651 92-650 92-656 92-659		
			InSITE™ RTQ™ 90° Model #6FRAISRTQ	RG-6/6Q RTQ™ & Plenum 6/6Q RTQ™	23-18 AWG Solid .023"040"	.168" - 183"	.226" - 305"	Card of 5	92-691		
	9		NJX™ Model #6FNJX	RG-6	N/A	.175"183"	.254"278"	Card of 10	89-040		
	RG-6		NJX™ Model #6QFNJX	RG-6 Quad	N/A	.175"183"	.275"305"	Card of 10	89-041		
ш			TLC™ Model #6FTLC	RG-6	N/A	.175"183"	.254"278"	Card of 10 Card of 4 Card of 50	85-068 85-069 85-168		
			TLC™ Model #6QFTLC	RG-6 Quad	N/A	.175"183"	.275"305"	Card of 4	85-079 85-178		
			OmniConn™ Model #6FOC	RG-6	N/A	.175"183"	.260"280"	Jar of 50 Bulk 1,000	89-044 89-1544		
			OmniConn™ Model #6QFOC	RG-6 Quad	N/A	.175"183"	.270"295"	Jar of 50	89-045		
	<u>0</u>			D.C. 50/50.0				Bulk 1,000 Card of 10	89-1545 92-611		
	RG-59	RG-5	RG-5		RTQ™ Model #59FRTQ	RG-59/59Q RTQ™	N/A	.142"148"	.230"270"	Jar of 50	92-610
	RG-11		RTQ™ Model #11FISRTQ	RG-11 RTQ™ RG-11 Quad	18-14 AWG Solid .040"066"	.280"285"	.390"416"	Card of 10	89-211		
	2		Cable Specific Model #11PLFIS	RG-11/11Q Ple- num	18-14 AWG Solid .040"066"	.270"280"	.340"356"	Card of 10	92-212		
RCA	RG-59		RTQ™ Model #59RCARTQ	RG-59/59Q RTQ™	20-18 AWG Solid .029"040"	.142"148"	.230"270"	Jar of 35	89-570		
č	RG-6		RTQ™ Model #6RCARTQ	RG-6/6Q RTQ™	20-18 AWG Solid .029"040"	.175"183"	.267"305"	Jar of 35	89-580		

Visit idealind.com/products/datacomm for Compression Connector Installation Instructions.

Crimpmaster™ Ratcheting Crimp Tool

- Ratcheting tool frame ensures full crimp cycle
- Provides a consistent crimp every time
- Dies change quickly and easily with a screwdriver
- Tool frame works with all IDEAL Crimpmaster™ Die Sets
- Cushioned, comfort-grip handles



Crimpmaster™ Tools and Die Sets



Die only

RJ-45 CAT 5/5e Eight-position Crimp Tool for keyed or non-keyed modular plugs. Not for Cat 6



Tool w/die 30-481 30-573

Cambridge CP-88, CP-89 BNC/TNC coax connectors with RG-58, RG-59/RG-62 AU cables (Hex 0.305 (7.75mm), 0.068 (1.73mm), 0.228 (5.79mm)



30-576 Die only

RG-174, Mini 59 BNC/TNC Connectors (Hex, 0.178 (4.52mm), 0.128 (3.25mm), 0.068 (1.73mm)



30-577 Die only

N-Series and RG-8/11 Connectors (Hex, 0.429 (10.90mm), 0.100 (2.54mm), 0.080 (2.03mm)



30-578 Die only

RG-59, RG-6, and 8281 50 and 75 OHM cables (Hex, 0.324 (8.23mm), 0.255 (6.48mm), 0.068 (1.73mm), 0.042 (1.07mm)



Tool w/die 30-502

RG-58, RG-59/62, BNC/TNC Coax Connectors (Hex, 0.255 (6.48mm), 0.213 (5.41mm), 0.068



30-582 Tool w/die 30-503

F-Type CATV RG-59, RG-6 Connectors (Hex, 0.350 (8,89mm) 0.320 (8,813mm), 0.255 (6,48mm)



30-587 Die only

RG-58, RG-174 and G-8218 for both 50 and 75 ohm cables (Hex 0.213 (5.41mm), 0.178 (4.52mm), 0.068 (1.73mm), 0.042 (1.07mm)



Die only

Mini UHF and BNC/TNC 5 cavity (Hex, 0.052 (1.32mm), 0.068 (1.73mm), 0.100 (2.54mm), 0.213 (5.41mm), 0.255 (6.48mm)



30-579 Tool w/die 30-500

22-10 AWG (.324mm² - 5.261mm²) insulated terminals/color coded nests



30-580 Die only

22-8 AWG (.3mm2 - 8mm2) non-insulated terminals



Die only

22-12 AWG (.324mm² - 3.31mm²) Non-Insulated Open Barrel Connectors, Commercial Type



Die only

Fully Insulated quick disconnect terminals with thinner wire barrels 22-10 AWG (.324mm² - 5.261mm²)



Crimp-On F-Connectors

Nickel plated brass connectors designed for indoor coax terminations for video and other RF applications



- RG-59, RG-6, RG-6 Quad
- All versions require a hex crimp to secure cable to connector
- 1/4 in. x 1/4 in. cable prep for all models
- Crimp with 30-503 Crimpmaster™ Ratcheting Crimp tool
- Hex crimp sizes: RG-59 and RG-6, .320" cavity. RG-6 Quad, .350" cavity

Description	Quantity	Part No.	Quantity	Part No.
RG-6 F Crimp-on Coax Connector	Card of 10	85-037	Card of 50	85-017
RG-6 F Quad Crimp- on Connector	Card of 10	85-057	_	_
RG-59 F Crimp- on Coax Connector	Card of 10	85-036	_	_

Twist-On F-Connectors

- After cable is 1/4 in. x 1/4 in. stripped, simply twist on connector
- No termination tool required
- Available in two styles, RG-6 and RG-59

Description	Quantity	Part No.
F-Type RG-6 Twist-On	Card of 10	85-053
Connector	Card of 50	85-039
F-Type RG-59 Twist-On Connector	Card of 4	84-018
	Card of 10	85-035

F/BNC Connector Installation and **Removal Tool**



- Patented design works on BNC and F connectors
- Works on compression and hex connectors
- Comfort grip handle aids in installing and removing connectors on coax cable
- F-post for aid in cable to connector assembly

Description	Part No.
F & BNC Coax Connector Tool - 8 in. length	35-046

Coax Strip & Crimp Tool





- Precision, form-ground stripping holes remove outer jacket and insulation from RG-59 and RG-6 coaxial
- Durable blades cut copper-coated steel conductors
- Three crimping nests for crimping F-connectors and ring terminals
- Cushioned, comfort-grip handles

Description	Part No.	
Coax Strip & Crimp Tool	30-433	

F-Type Adapters & Terminators

- Nickel-plated brass construction
- For 75Ω applications

Image	Description	Quantity	Part No.
error Chron	3GHz F-Splice Adapter, high bandwidth, for standard and high	Card of 4	85-339
Tonic .	definition applications, <0.25dB insertion loss, >25dB return loss	Card of 10	85-340
	RCA Female-to-Female Adapter	Card of 2	85-937
96	Coax Cable F-Terminators - for all open ports on coax wall plates and splitters	Card of 4	85-073
42	90° F-Adapter - F-female to F-male coax adapter	Card of 2	85-070
	BNC Female to BNC	Card of 2	85-075
	Female Adapter	Card of 10	92-817P

Impact Punchdown Tool

- · Includes full 110 and 66 blades
- Adjustable high/low actuation setting accommodates termination requirements
- Turn-Lock™ Style blade holding design
- Impact-absorbing cushioned grip reduces operator stress for high volume installers

Description	Part No.
Punchmaster™ II Punchdown Tool w/full 110 & 66 blades	35-485

Punchdown Tool Blades

Removable Blades	Part No.
110 Turn-Lock™ blade	35-495
66 Turn-Lock™ blade	35-497
110/66 combo blade w/cutting edges	35-407
Krone® blade	35-478
Bix® blade	35-479

Bix[®] is a registered trademark of Nortel. Krone[®] is a registered trademark of Krone. Inc.

Feed-Thru Modular Plug Crimp Tool

- FT-45TM Crimp Tool crimps feed-thru, standard and shielded connectors
- Crimps and trims flush in one step
- Compact design
- Long-lasting blade

Description	Part No.
FT-45™ Feed-Thru Modular Plug Crimp Tool	30-495
FT-45™ Replacement Blade	30-4951

Probe Pic & Spudger

 For isolating conductors and removing terminated wires from voice and data IDC contacts

Description	Part No.
Probe Pic & Spudger	35-473

Ratchet Telemaster™ Modular Plug Crimping Tool

- Heavy-duty version of the 30-496 Telemaster™ Tool
- Ratchet ensures full cycle crimping every time
- Crimps RJ-45 (8P8C) and RJ-11/12 (6P6C/6P4C) standard modular plugs
- Multi-function tool also cuts UTP/STP and strips CAT 5e/6 cable jacket and flat cable jackets
- Black oxide coated steel frame with cushioned handles for strength and comfort

Description	Part No.
Ratchet Telemaster™	30-696
Replacement Cut & Strip Blade Set	LA-4102

Telemaster[™] Modular Plug Crimping Tool

- Crimps Standard RJ-45 (8P8C) and RJ-11/12 (6P6C/6P4C) modular plugs
- Multi-function tool also cuts UTP/STP and strips round CAT 5e/6 cable jacket
- Black oxide coated steel frame with cushioned handles for strength and comfort

Description	Replacement Blade		Tool Only Part No.
Telemaster™ Crimping Tool RJ-45 and RJ-11/12	LB-1747	33-700*	30-496

*Kit includes 10 each, RJ-45 8P8C, RJ-11 6P6C and RJ-11 6P4C modular plugs

Data/Voice Crimp Tool Kit

- Compact design is 2/3 the size of traditional crimp tools
- Crimps RJ-45 (8P8C) and RJ-11/12 (6P6C/6P4C) modular plugs

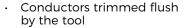


- One tool assembly process cut, strip and crimp connectors on to CAT 3/5e/6 cables
- Black oxide coated steel core with spring loaded handle and locking feature

Description	Part No.
Data/Voice Crimp Tool Kit includes ten RJ-11 (6P6C) and ten CAT5e RJ-45 plugs	33-396

Feed-Thru Modular Plugs

- Feed-Thru modular plugs simplify twisted pair assembly process
- Verify conductor order before crimping





CAT6

- Eliminates wasted connectors due to incorrect assembly
- · Single-piece design

Description	25/Card	50/Card	100/Bag
CAT5e Feed-Thru RJ-45 Modular Plugs	85-370	85-371	85-372
CAT6 Feed-Thru RJ-45 Modular Plugs	85-375	85-376	85-377

CAT6 Single Piece RJ-45 Modular Plugs

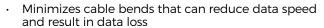
- · Single-piece design to simplify assembly
- · 50 micron gold contacts, 8-position, 8-contact
- · Suitable for solid or stranded conductors 23-24 AWG
- Not compatible with Crimpmaster™ RJ-45 Die Set

Description	Quantity	Part No.
CAT5e RJ-45 Modular Plugs	25	85-367

Compatible with IDEAL 30-696, 30-496 and 33-396 Modular Plug Crimp Tools.

Strain Relief Boots for Modular Plugs





- Dampens cable movement and vibrations that can result in premature connector failure
- For CAT5e and CAT6 RJ-45 modular plugs, .225" max. cable diameter

Description	Quantity	Part No.
Strain Relief Boots for Modular Plugs	25	85-380
15 Strain Relief Boots and 15 8P8C RJ-45 CAT5e Modular Plugs	15	85-379

CAT6 RJ-45 Modular Plugs

- Three-piece design provides optimal performance
- Crimps with a standard RJ-45 crimp tool
- 50 micron gold contacts, 8-position, 8-contact
- Suitable for solid or stranded conductors 23-24 AWG
- Not compatible with Crimpmaster™ RJ-45 Die Set

Description	Quantity	Part No.
CAT6 RJ-45 Modular Plugs	25	85-366

CAT5e RJ-45/RJ-11 Modular Plugs

- Plugs support the latest cable system performance categories when installed in compliance with appropriate standards and methods
- Plugs work with 24 AWG solid or stranded conductors and round or flat cables.
- · 50 micron gold contacts

Description	Quantity	Part No.
	10	85-147
CAT5e 8-Position 8-Contact, RJ-45	25	85-346
	50	85-396
	100	86-396
6-Position 6-Contact, RJ-11 (RJ-12)	25	85-345
6-Position 4-Contact, RJ-11	25	85-344

Telephone/Data Cable Splice and Repair Kit

- All in one specialty tool for crimping UR/UY/UB IDC splice connectors
- Features a parallel crimping surface to prevent damage to connectors during crimping process
- Two stripping holes for 22 to 24 AWG (phone/twisted pair) cables
- Cutter for cable and conductor trimming

Description	Part No.
Kinetic® Super Wire Stripper/Crimper Kit - includes 25 IDC connectors (UR-I, 3-Wire Butt Splice)	33-719

Insulation Displacement Connectors







85-925/86-925

85-950

85-900

IDC connectors create fast splice and tap connections on solid copper wires. Designed for low voltage telecommunication cables.

- Moisture-resistant sealant protects wires from corrosion
- Use 33-719 tool for proper crimping force and crimping angle

Description	Quantity	Part No.
UR-I, 3-Wire Butt Splice IDC	25	85-925
UR-I, 3-Wire Butt Splice IDC	100	86-925
UY-I, 2-Wire Butt Splice IDC	25	85-950
UB-I, 2-Wire Tap Splice IDC	25	85-900
IDC Combo Pack - includes 10 UR, 10 UY and 5 UB	25	85-960

Keystone Modular Data Jacks

- Keystone modular data jacks for CAT6/CAT5e/CAT3 twisted pair punchdown termination
- IDC tower design simplifies jack wiring process
- 110 style termination for use with standard 110 blade punchdown tools
- Internal printed circuit board design for improved RF performance
- · Meets ANSI/TIA-568-C-2 specifications; UL Listed
- Multiple color variations for visual jack identification and system coding
- Standard size single gang faceplates
- Standard keystone dimensions offer compatibility with other keystone jacks and faceplates

Jack Specifications	
Cable Types	8 Conductor UTP Copper Cables 22-24 AWG (CAT5e/CAT6)
Max. Cable O.D.	.260"
Termination Tool	110 Punchdown
Housing Material	PC UL94-V0 Rated, Multiple Colors
Contact Finish	50μ Gold over 50μ Nickel
IDC Housing Material	PC UL94-V0 Rated, Black
IDC Terminal Contact	Phosphor Bronze, 50µ Nickel
IDC Cover	PC UL94-V0, Black
Circuit Board	FR4
Certifications and Standards	UL Listed cULus; ANSI/TIA-568-C-2, ISO/IEC 11801 Class D(CAT5e)/E(CAT6) FCC Part 68 Compliant; RoHS Compliant
Supports	Dual T568A and T568B wiring
Connector Mating Cycles	750 minimum
Electrical Specification	ons
Current Rating	1.5 Amps
Insulation Resistance	50mΩ
Contact Resistance	20mΩ
DC Resistance	0.1Ω
Dielectric Withstanding Voltage	1000V











Blue - BU







Orange - OR Black - BK







Green - GN







Ivory - IV



Grey - GY



Keystone Modular Data Jacks - Ordering Information

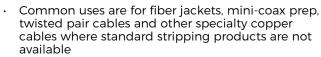
Description	Model No.	Qty.	Part No.
Category 5e Modular Jacks			
CAT5e 100MHz 8P8C Keystone Jack-White	MJN5WH	Bag of 1	89-750WH
CAT5e 100MHz 8P8C Keystone Jack-Blue	MJN5BU	Bag of 1	89-750BU
CAT5e 100MHz 8P8C Keystone Jack-Orange	MJN5OR	Bag of 1	89-750OR
CAT5e 100MHz 8P8C Keystone Jack-Black	MJN5BK	Bag of 1	89-750BK
CAT5e 100MHz 8P8C Keystone Jack-Red	MJN5RD	Bag of 1	89-750RD
CAT5e 100MHz 8P8C Keystone Jack-Green	MJN5GN	Bag of 1	89-750GN
CAT5e 100MHz 8P8C Keystone Jack-Yellow	MJN5YL	Bag of 1	89-750YL
CAT5e 100MHz 8P8C Keystone Jack-Ivory	MJN5IV	Bag of 1	89-750IV
CAT5e 100MHz 8P8C Keystone Jack-Grey	MJN5GY	Bag of 1	89-750GY
Category 6 Modular Jacks			
CAT6 250MHz 8P8C Keystone Jack-White	MJN6WH	Bag of 1	89-760WH
CAT6 250MHz 8P8C Keystone Jack-Blue	MJN6BU	Bag of 1	89-760BU
CAT6 250MHz 8P8C Keystone Jack-Orange	MJN6OR	Bag of 1	89-760OR
CAT6 250MHz 8P8C Keystone Jack-Black	MJN6BK	Bag of 1	89-760BK
CAT6 250MHz 8P8C Keystone Jack-Red	MJN6RD	Bag of 1	89-760RD
CAT6 250MHz 8P8C Keystone Jack-Green	MJN6GN	Bag of 1	89-760GN
CAT6 250MHz 8P8C Keystone Jack-Yellow	MJN6YL	Bag of 1	89-760YL
CAT6 250MHz 8P8C Keystone Jack-Ivory	MJN6IV	Bag of 1	89-760IV
CAT6 250MHz 8P8C Keystone Jack-Grey	MJN6GY	Bag of 1	89-760GY
Category 3 Modular Jacks			
CAT3 6P6C Voice Grade Keystone Jack-White	MJN3WH	Bag of 1	89-780WH
CAT3 6P6C Voice Grade Keystone Jack-Ivory	MJN3IV	Bag of 1	89-780IV
Faceplates			
O Port Keystone Faceplate-White	KFPOWH	Bag of 1	89-740WH
1 Port Keystone Faceplate-White	KFPIWH	Bag of 1	89-741WH
2 Port Keystone Faceplate-White	KFP2WH	Bag of 1	89-742WH
3 Port Keystone Faceplate-White	KFP3WH	Bag of 1	89-743WH
4 Port Keystone Faceplate-White	KFP4WH	Bag of 1	89-744WH
6 Port Keystone Faceplate-White	KFP6WH	Bag of 1	89-746WH
O Port Keystone Faceplate-Ivory	KFPOIV	Bag of 1	89-740IV
1 Port Keystone Faceplate-Ivory	KFP1IV	Bag of 1	89-741IV
2 Port Keystone Faceplate-Ivory	KFP2IV	Bag of 1	89-742IV
3 Port Keystone Faceplate-Ivory	KFP3IV	Bag of 1	89-743IV
4 Port Keystone Faceplate-Ivory	KFP4IV	Bag of 1	89-744IV
6 Port Keystone Faceplate-Ivory	KFP6IV	Bag of 1	89-746IV
Blank Inserts for Keystone Faceplate-White-10PK	KIWH	Bag of 10	89-784WH
Blank Inserts for Keystone Faceplate-Ivory-10PK	KIIV	Bag of 10	89-784IV





Ringer™ Adjustable Blade Strippers

- Four models cover cable diameters up to 9/16 in.
- All models include two adjustable depth blades and one adjustable round slitting blade



· Replacement blades available for all models

Description	Typical RG Cables	Replacement Blade*	Part No.
Cable Stripper, up to 1/8 in. (3.2mm) O.D (Gray)	RG-174, RG-187	L-9225	45-162
Cable Stripper, 1/8 in. (3.2mm) to 7/32 in. (5.556mm) O.D. (Blue)	Mini Coax RG-58,CB	L-9225	45-163
Big Blue Cable Stripper, 1/4 in. (6.4mm) to 9/16 in. (14.3mm) O.D. (Blue)	RG-11, RG-8	L-9226	45-164
Cable Stripper, 3/16 in. (4.8mm) to 5/16 in. (8mm) O.D. (Black)	RG-59/6, UTP Cable	L-9225	45-165

^{*}A set of blades consists of three straight blades and one round blade.

PrepPRO® Coax/UTP Cable Stripper

- Auto adjusting blade depth for 6/6Quad/59 coax cable
- Strips RG-59/6 Plenum cables
- 1/4 in. x 1/4 in. coax preparation
- · Replaceable blade cartridges
- · CAT5e/6 jacket stripping
- Spring loaded for consistent cutting force

Description	Part No.
PrepPRO® Coax/UTP Cable Stripper	45-605
Replacement Coax Cartridge	45-6051
Replacement UTP/STP Jacket Cartridge	45-6052

Adjustable Blade Coax Strippers

- Two and three blade models for prepping coax cables RG-59 to RG-11
- Adjustable blade depth (hex wrench included in handle) for fine calibration to any cable jacket thickness and overall diameter.
- All blades are spaced approximately ¼ in. apart for compatibility with traditional compression or crimp connectors requiring a ¼ in. x ¼ in. cable preparation.
- Blades can be adjusted to a no-cut position for most size cables when only a single blade is needed.
- Slider bar offers fast variation in blade depth without need for adjusting the individual hex screws.

Description	Replacement Blade	Part No.
Coax Stripper - 2 Step (Blue cartridge)	45-524	45-526
Coax Stripper - 3 Step (Black cartridge)	_	45-520

Coax Stripmaster® Wire Strippers

- · Provides variable stripping lengths
- Knife-type blades feature multiple hole diameters sized for two step removal of outer jacket insulation and center conductor



Description	Part No.
Coax Stripmaster® for RG-6 Coax Cable	45-262
Coax Stripmaster® for RG-59 Coax Cable	45-265

Round Cable Slitting & Ringing Tool

- Cuts around cable jacket as well as slits the length of jacket for easy removal
- Use with single or multiple conductor cable up to 1.75 in. O.D.
- Blade adjusts for jacket thicknesses up to .125 in.
- Spare blade in handle base

Description	Replacement Blade*	Part No.
Round Cable Slitting and Ringing Tool	LB-1748	45-144

^{*2/}package

Data T®-Cutter

- Cuts round copper cable and helps maintain cable geometry
- Compact size is smaller and lighter than traditional 9" cable cutters
- Steel reinforced center conductors can be trimmed with bolt cutting holes
- · Locking latch keeps tool closed in pouch

Description	Part No.
Data T®-Cutter	45-074

Electrician's Scissors

- Designed for use in telephone and electrical service applications
- Cut up to 16 AWG solid and 12 AWG stranded wire
- Serrated surface on back blade edge cleans wire and straightens twisted pair conductors
- · Stripping notches strip 19 and 23 AWG wire
- · Chrome over nickel plating

Description	Part No.
Electrician's Scissors w/stripping notches	35-088

Cable Splicing Kit

- Kit designed for use in telephone and electrical service applications
- High carbon steel blade in Splicing Knife remains sharp and cuts easily through many insulation types
- Kit includes Scissors 35-088,
 Splicing Knife 35-1091 and Leather Holder

Description	Part No.
Cable Splicing Kit	35-093
Cable Splicing Knife (only)	35-1091

2.4 GHz Satellite & Digital TV Splitters







- · Designed for easy mounting over cable
- · All ports are F female connectors, 75Ω
- Two grounding screws eliminate the need for grounding block
- · All ports power pass

Description	Part No.
2-Way, 5MHz - 2.4GHz	85-332
3-Way, 5MHz - 2.4GHz	85-333
4-Way, 5MHz - 2.4GHz	85-334

1 GHz Cable TV/General Purpose Splitters



- Nickel-plated housing, soldered back
- · High-performance Printed Circuit Board design

Description	Part No.
High Performance Cable Splitter, 5MHz-1GHz, 2-Way	85-132
High Performance Cable Splitter, 5MHz-1GHz, 3-Way	85-133
High Performance Cable Splitter, 5MHz-1GHz, 4-Way	85-134



Use terminators (85-073) on all unused ports for optimal performance.

Master Series Network Service Kit



 Kit allows user to cut, strip, terminate and test data cables. Use for CAT5e, CAT6 and voice installations.

Description		Part No.
Master Series Network Service Kit		33-706
Kit Includes:	Qty.	Part No.
Ratchet Telemaster™	1	30-696
Punchmaster™ II w/110 & 66 Blades	1	35-485
Probe Pic and Spudger	1	35-473
UTP/STP Stripper	1	45-165
Cable Splicing Kit	1	35-093
LinkMaster™ Tester	1	62-200
7-in-1 Twist-a-Nut™ Screwdriver	1	35-908
PRO Amplifier Probe & Tone Generator Kit	1	33-864
Kinetic Super™ Wire Stripper/ IDC Crimper	1	45-719
8-Position CAT5e RJ-45 Modular Plugs	50	85-396
Large Mouth Bag, 13 in.	1	35-410

Pro XL Compression Hip Kit

Cut, strip and terminate compression connectors in one handy professional tool kit.

For F/BNC/RCA compression

Description		Part No.
Pro XL Compression Hip Kit		33-793
Kit Includes:	Qty.	Part No.
OmniSeal™ Pro XL Compression Tool	1	30-793
PrepPRO® Coax (59/6/6Q)/UTP Cable Stripper	1	45-605
Data T [®] -Cutter	1	45-074
Pouch with Belt Clip	1	_

RF Coax Crimp & Compression Kit



Professional kit for security and cable/satellite installers to crimp or compress F and BNC coax connectors. Multiple die sets offer a wide range of connectors to terminate.

Description		Part No.
RF Coax Crimp & Compression Kit	RF Coax Crimp & Compression Kit	
Kit Includes:	Qty.	Part No.
OmniSeal™ PRO XL Compression Tool	1	30-793
Ratchet Crimp Tool	1	30-503
2-Step Adjustable Coax Stripper	1	45-526
3-Step Adjustable Coax Stripper	1	45-520
Data T®-Cutter	1	45-074
58/59 BNC/TNC Die Set	1	30-581
RG-59 Cambridge-type Die Set	1	30-573
RG-174 Mini-59 Die Set	1	30-576
RG-6 RTQ™ XR™ Compression F-Connector	50	92-650
Mechanic's Bag	1	35-535

LinearX®3 Hip Kit

 Cut, strip and terminate F/BNC/RCA connectors in one handy starter tool kit.



Description		Part No.
LinearX®3 Hip Kit		33-622
Kit Includes:	Qty.	Part No.
LinearX®3 Compression Tool	1	33-632
PrepPRO® Coax (59/6/6Q)/UTP Cable Stripper	1	45-605
Data T®-Cutter	1	45-074
Pouch with Belt Clip	1	_

Pro Compression Starter Kit

- Starter kit includes both F and BNC connectors as well as professional tools to cut, strip and terminate coax cables.
- Designed for security and cable/satellite installation.



Description		Part No.
Service Compression Kit		33-639
Kit Includes:	Qty.	Part No.
OmniSeal™ PRO XL Compression Tool	1	30-793
PrepPRO® Cable Stripper	1	45-605
Data T®-Cutter	1	45-074
RTQ™ XR™ RG-6 F Compression Connectors	25	92-650
RG-59 InSITE™ BNC Compression Connectors	10	89-047
RG-6 InSITE™ BNC Compression Connectors	5	89-048
RG-59 Plenum InSITE™ BNC Compression Connectors	5	89-049
RG-6 90° F Compression Connectors	3	92-691
RG-59 90° BNC Compression Connectors	3	92-693
3GHz F-81 Splice Adapters	3	85-340
BNC Adapters	3	85-592

Economy Compression Kit

- Starter kit includes the tools and connectors to cut, strip and terminate coax cables.
- For use with F Connectors



Description		Part No.
Economy Compression Kit		33-620
Kit Includes:	Qty.	Part No.
LinearX [®] 3 Compression Tool	1	33-632
PrepPRO® Coax (59/6/6Q)/UTP Cable Stripper	1	45-605
Data T®-Cutter	1	45-074
RG-59 RTQ™ Compression Connectors	10	92-610
RG-6 RTQ™ XR™ Compression Connectors	30	92-650

Technician's Service Kit

 Kit includes tools to install twisted pair cable on blocks and data jacks.

Description	E	Part No.
Technician's Service Kit		33-505
Kit Includes:	Qty.	Part No.
Electrician's Scissors w/Stripping Notches	1	35-088
Probe Pic & Spudger	1	35-473
Punchmaster™ Punchdown Tool w/110 & 66 Blades	1	35-485
7-in-1 Twist-a-Nut™ Screwdriver/Nutdriver	1	35-908
UTP/STP Stripper	1	45-165
Nylon case	1	62-205

RJ-45/11 Four, Six & Eight-Position Combination TelCom Termination Kit

 TelCom Kit is designed for the user who will terminate RJ-11 and RJ-45 twisted pair cables.

Description		Part No.
TelCom Termination Kit		33-704
Kit Includes:	Qty.	Part No.
Telemaster™ for RJ-11/RJ-45 Plugs	1	30-496
6P4C RJ-11 Modular Plugs	15	85-344
6P6C RJ-11 Modular Plugs	15	85-345
8P8C RJ-45 CAT 5e Modular Plugs	15	85-346

RJ-45 Termination Kit

 Suited for the user who will cut and terminate RJ-45 Modular Plugs.



Description		Part No.
RJ-45 Termination Kit		33-750
Kit Includes:	Qty.	Part No.
Telemaster™ for RJ-11/RJ-45 Plugs	1	30-496
UTP/Coax Stripper	1	45-165
8-Position RJ-45 CAT5e Modular Plugs	50	85-346

Telemaster[™] Crimp Kit



Description		Part No.
Telemaster™ Crimp Kit		33-700
Includes:	Qty.	Part No.
Telemaster™ for RJ-11 (1, 2, 3 pair) and RJ-45 Plugs	1	30-496
CAT 5e 8-Position, 8-Contact RJ-45 Modular Plugs	10	85-346
6-Position RJ-11 Modular Plugs	10	85-345
6-Position, 4-Contact RJ-11 Modular Plugs	10	85-344

PRO Network/Telco Installer Kit



 Kit allows user to terminate modular plugs as well as data blocks or jacks.

Description		Part No.
PRO Network/Telco Installer Kit		33-506
Includes:	Qty.	Part No.
Ratchet Telemaster™	1	30-696
Punchmaster™ II w/110 & 66 Blades	1	35-485
Probe Pic and Spudger	1	35-473
UTP/STP Stripper	1	45-165
Electrician's Scissors w/Stripper Notches	1	35-088
8-Position CAT5e RJ-45 Modular Plugs	50	85-396
Mechanic's Bag	1	35-535



Laser light source used to locate breaks, faulty splices and crimps

Adapter

- 2.5mm Universal Adapter for all ST®, SC and FC connectors
- · Useful over a distance of 5km (3 miles)
- Two AA batteries (included) provide over 30 hours of continuous use
- Slim, pocket-sized tool in rugged solid aluminum body
- · Nylon carrying case with belt loop included

Description	Part No.
Visual Fault Finder	VFF5
Male FC (2.5mm) to Female LC (1.25mm) Connector	135051

Note: ST® is a registered trademark of AT&T.

FiberMASTER™ Fiber Optic Test Kit

- Fiber Optic Power Meter & Light Source — Four wavelength power meter for multimode and single mode testing, and 850nm multimode LED light source.
- Calibration Function Stores reference power level for quick dB loss measurements eliminating the need to manually calculate loss.
- Save Time and Money Power meter features 2.5mm universal and FC adapters, light source includes ST®, SC and FC adapters to test the most common interfaces.



 Designed for the Field — Unique "docking" light source and easy three-button operation make this the perfect fiber tester for use in the field.

Description	Part No.
Power meter with 850NM fiber light source	33-928
Power meter with four wavelength MM/SM light source	33-931

Note: ST[®] is a registered trademark of AT&T.

MiniLite-Strip™ Optical Fiber Stripper

- Small strip notch engineered and precision-ground to strip 900 micron or 250 micron buffer coatings from 125 or 140 micron fiber
- Larger round strip notch machined to remove the 3mm outer jacket
- Strip notches pre-set and locked, no field adjustment necessary

Description	Part No.
MiniLite-Strip™ Optical Fiber Stripper	45-352

Stripmaster® Ribbon Fiber Jacket Stripper

 Removes jacket from Ribbon Fiber without damage to the Kevlar® strength member of the Ribbon Fiber

Description	Part No.
Stripmaster® Wire Stripper Frame only	L-5620
Blade-set for use with Corning® Plenum and Riser Ribbon Fiber Cable	LB-1152
Blade-set for use with Corning® "Fanout" Ribbon Cable	LB-1153

Note: Kevlar® is a registered trademark of E. I. du Pont de Nemours and Company. Corning® is a registered trademark of Corning, Inc. Frame and blade set sold separately.

Serrated Kevlar® Cutter

 Superior quality high-carbon stainless steel with molybdenum and vanadium provides hard, razor-sharp edges

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- Breaker notch cuts jacket and breaks fiberglass in one step
- · Textured cushioned-grip handles
- Designed to cut up to 3mm fiber cables

Description	Part No.
Serrated Cutter w/Breaker Notch (Patent pending)	45-344

Note: Kevlar® is a registered trademark of E. I. du Pont de Nemours and Company.

DualScribe[™] Double-Ended Fiber Optic Scribes

- Three professional quality blade styles to choose from to meet your specific needs – Ruby, Sapphire, Carbide
- 30° single bevel DualScribe™ reversible blade doubles tool life
- Soft non-slip grip provides precise control during scribing
- Clear safety cap protects the blades from damage when not in use

Description	Part No.
Ruby Blade Fiber Optic Scribe (Red Handle)	45-357
Sapphire Blade Fiber Optic Scribe (Blue Handle)	45-358
Carbide Blade Fiber Optic Scribe (Black Handle)	45-359

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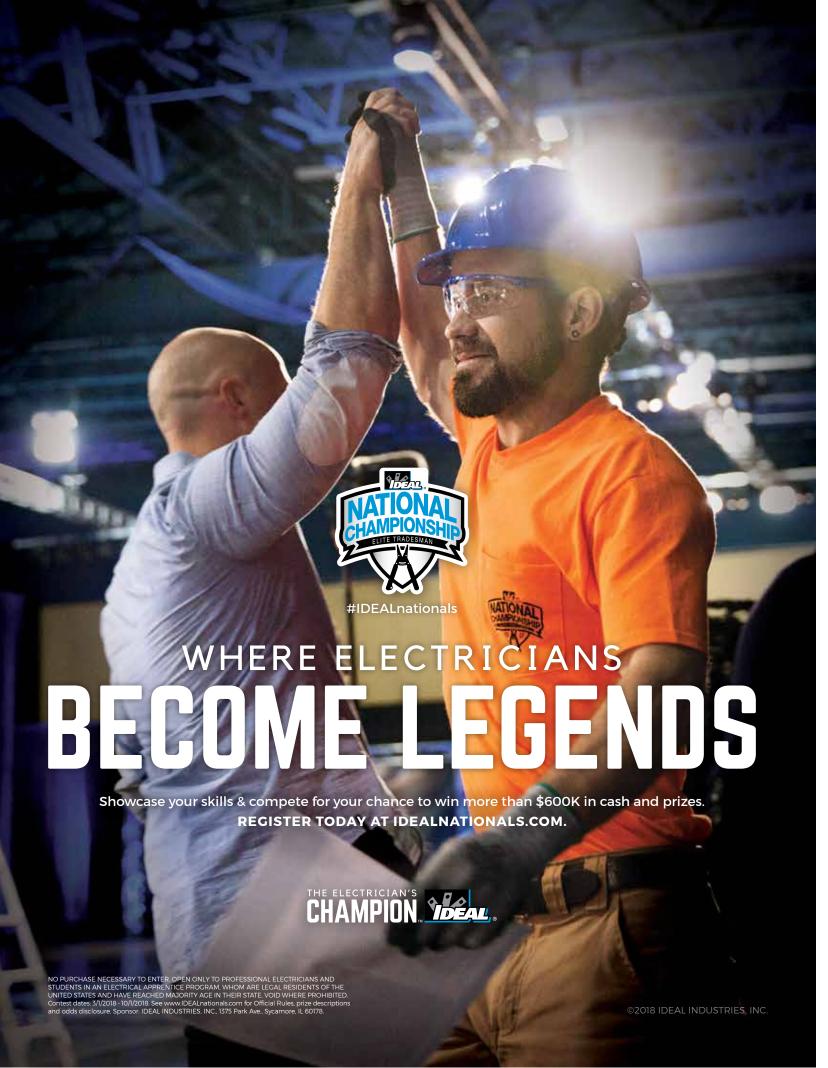
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