2018

FULL LINE CATALOG

THE ELECTRICIAN'S CHAMPION™

IDEAL®

IDEALIND.COM

THE ELECTRICIAN'S
CHAMPION™

As an electrician, you know that the rest of the world relies on your work. And you need a partner who understands what you have to deliver. From cut to test, IDEAL Electrical is the only brand that touches every part of the process. We get it.

We've been committed to the craft and its craftsmen for more than 100 years. Whether you're the electrical contractor or datacomm technician, production engineer or plant manager, we know the job the way you know the job. So we build the tools you need to get it done.

This catalog contains over 6,000 tools and supplies. Each has been designed with your needs, safety and comfort in mind.

No one supports, understands and equips the electrician quite like IDEAL. In every product we make, and in everything we do, we are The Electrician's Champion.

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THE LINESMAN PLIER WITH SMART-GRIP™ HANDLE
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THE ELECTRICIAN'S CHAMPION™ IDEAL®

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.

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TAN TWISTER®
WIRE CONNECTOR
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THE ELECTRICIAN'S
CHAMPION™ IDEAL®

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.**

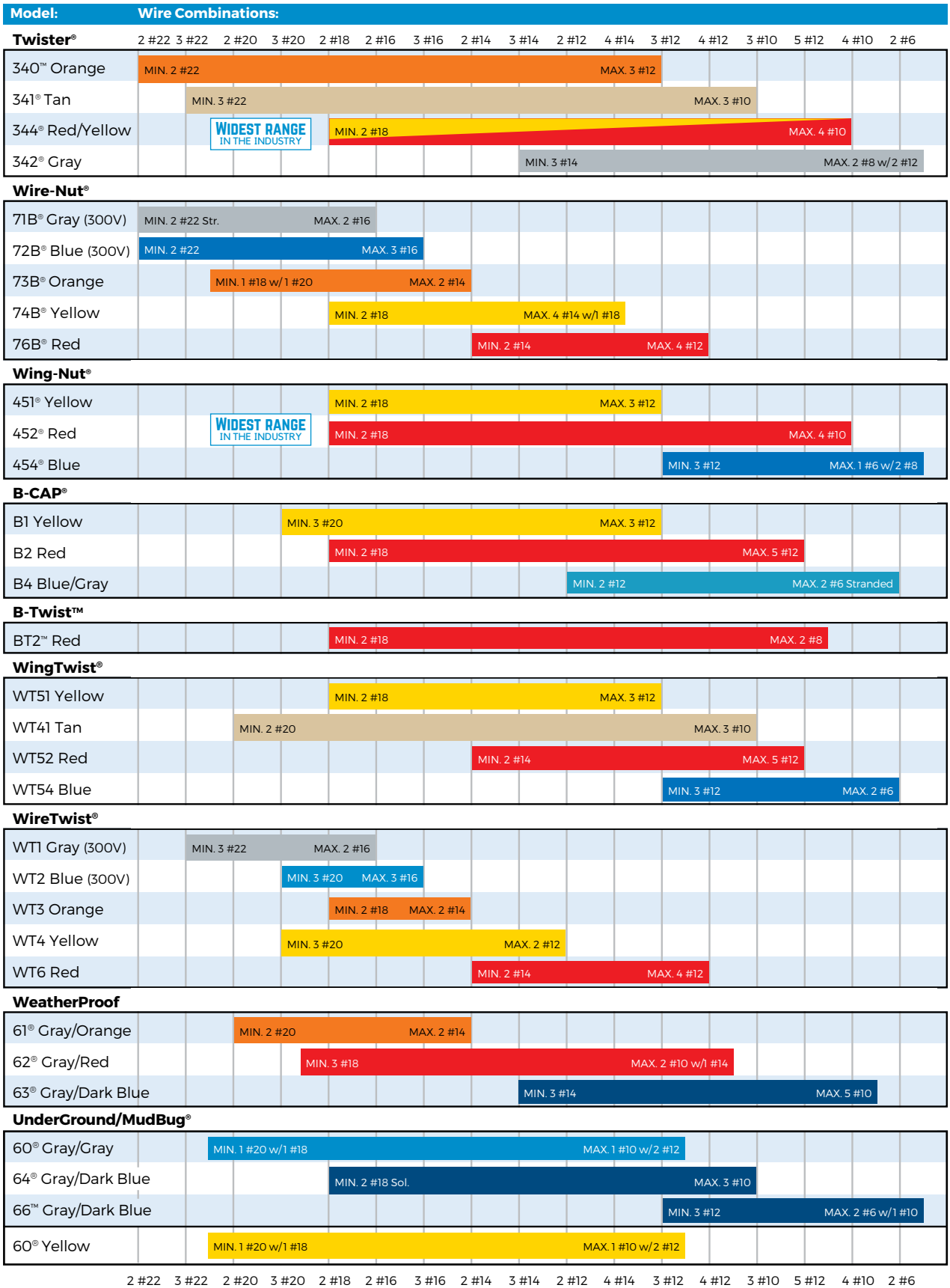
B-CAP® Wire Connectors - Low-Profile Fin
The B-CAP® Wire Connector gets you into those hard-to-reach spots comfortably, especially when you're retrofitting or updating. The contoured classic fin design provides a secure grip for extra torque, while the expanding interior spring accepts a wide range of 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 "dial-top" 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

Model	RESIDENTIAL: Light Switches	Receptacles	Ceiling Fans	Can Lights	Thermostat Controls	HVAC	Smoke/CO Detectors	Garage Door Openers	Door Bells	COMMERCIAL: Multi-Gang Switch Boxes	Security Systems	Intercoms	Recessed Lighting Controls	Illuminated Signage	Receptacles	3-Phase Motors	HVAC
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®																	
WT1 Gray					●						●	●					
WT2 Blue					●	●			●		●	●					
WT3 Orange			●	●			●		●		●	●	●				
WT4 Yellow	●		●	●			●		●				●	●			
WT6 Red	●	●				●		●		●				●	●	●	●

	RESIDENTIAL: Landscape Lighting	Pool Filters/Controls	Outdoor Power Outlets	Patio/Deck Lighting	Bathroom/Spa Vent Fans	Security Systems	Basement/Garage	Lawn-Sprinkler Controls	Sump/Well Pumps	COMMERCIAL: Landscape Lighting	Security Systems	Exterior Lighting	Street/Parking Lot Lighting	Car Washes	Processing Plants	Traffic Signals	Ejection Pumps	HVAC
WeatherProof																		
61® Gray/Orange				●	●		●				●			●	●	●		●
62® Gray/Red		●	●	●		●		●				●		●	●			●
63® Gray/Dk. Blue		●	●	●		●		●				●	●	●	●			
UnderGround																		
60® Gray/Gray	●			●	●			●	●	●	●		●			●	●	
64® Gray/Dk. Blue	●				●				●	●			●			●	●	
66™ Gray/Dk. Blue													●			●		

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)

UL LISTED Wire Connector 774A Cu/Cu Only CSA CE

Model	Color	Wire Combination Range	Wire Combination Range (mm)	Quantity	Part No.
71B®	Gray	300V 22 to 16 AWG Min. 2 #22 Str. – Max. 2 #16	300V ,34mm² to 1,5mm² Min. 2-,34mm² Max. 3-1,5mm²	Box of 100	**30-071**
				Carton of 1,000	**30-171**
				Keg of 25,000	**30-271**
72B®	Blue	300V 22 to 14 AWG Min. 2 #22 – Max. 3 #16	300V ,34mm² to 2,5mm² Min. 2-,34mm² Max. 3-1,5mm²	Box of 100	**30-072**
				Carton of 1,000	**30-172**
				Keg of 10,000	**30-272**
				Barrel of 85,000	**30-872**
73B®	Orange	600V* 22 to 14 AWG Min. 1 #18 w/1 #20 Max. 2 #14	600V* ,34mm² to 2,5mm² Min. 1-,75mm² w/1-,50mm² Max. 4-1,5mm² w/1-,50mm²	Box of 100	**30-073**
				Jar of 300	**30-073J**
				Carton of 1,000	**30-173**
				Bag of 500	**30-273**
				Keg of 10,000	**30-673**
				Barrel of 50,000	**30-873**
74B®	Yellow	600V* 18 to 12 AWG Min. 2 #18 Max. 4 #14 w/1 #18	600V* ,75mm² to 4,0mm² Min. 2-,75mm² Max. 4-2,5mm² w/1-,75mm²	Box of 100	**30-074**
				Jar of 175	**30-074J**
				Bag of 500	**30-274**
				Keg of 5,000	**30-674**
76B®	Red	600V* 18 to 6 AWG Min. 2 #14 Max. 4 #12	600V* ,75mm² to 16,0mm² Min. 2-2,5mm² Max. 2-4,0mm²	Box of 100	**30-076**
				Jar of 150	**30-076J**
				Bag of 250	**30-276**

Models 71B®, 72B® and 73B® PLENUM RATED Suitable for Air-Handling Space

*1,000V 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)

UL LISTED Wire Connector 774A Cu/Cu Only CSA

Model	Color	Wire Combination Range	Wire Combination Range (mm)	Quantity	Part No.
71B®	Black	300V 22 to 16 AWG Min. 2 #22 Str – Max. 2 #16	300V ,34mm² to 1,5mm² Min. 2-,34mm² – Max. 2-1,5mm²	Box of 100	**30-3627**
				Carton of 1,000	**30-151**
				Keg of 25,000	**30-251**
72B®	Black	300V 22 to 14 AWG Min. 2 #22 – Max. 3 #16	300V ,34mm² to 2,5mm² Min. 2-,34mm² – Max. 3-1,5mm²	Box of 100	**30-3628**
				Keg of 10,000	**30-252**
73B®	Black	600V* 22 to 14 AWG Min. 1 #18 w/1 #20 Max. 2 #14	600V* ,34mm² to 2,5mm² Min. 1-,75mm² w/1-,50mm² Max. 4-1,5mm² w/1-,50mm²	Box of 100	**30-3629**
				Keg of 10,000	**30-253**
				Barrel of 50,000	**30-803**
59B™	Black	600V* 22 to 12 AWG Min. 2 #20 – Max. 3 #14	600V* ,34mm² to 4,0mm² Min. 2-,5mm² – Max. 3-2,5mm²	Box of 100	**30-059**
				Keg of 5,000	**30-259**

Models 71B®, 72B® and 73B® PLENUM RATED Suitable for Air-Handling Space

*1,000V 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)

Wire Connector 774A LISTED Cu/Cu Only

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

*1,000V 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)

Ground Connector 951L LISTED Cu/Cu Only

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 Min. 2-2,5mm² Max. 2-4,0mm² w/1-2,5mm²	Box of 100	**30-092**
				Jar of 150	**30-092J**
				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)

Wire Connector 774A LISTED Cu/Cu Only

Model	Color	Wire Combination Range	Wire Combination Range (mm)	Quantity	Part No.
340™	Orange	600V* 22 to 10 AWG Min. 2 #22 – Max. 3 #12	600V* ,34mm² to 4,0mm² Min. 2-,34mm² – Max. 3-4,0mm²	Box of 100	**30-340**
				Jar of 500	**30-640J**
341®	Tan	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	**30-441J**
				Bag of 500	**30-641**
				Jar of 750	**30-341J**
				Barrel of 25,000	**30-841**
342®	Gray	600V* 18 to 6 AWG Min. 3 #14 – Max. 2 #8 w/2 #12	600V* ,75mm² to 10,0mm² Min. 3-2,5mm² – Max. 2-10,0mm² w/2-4,0mm²	Box of 50	**30-342**
				Bag of 250	**30-642**
				Barrel of 15,000	**30-842**

*1,000V 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)

Wire Connector 774A LISTED Cu/Cu Only

Model	Color	Wire Combination Range	Wire Combination Range (mm)	Quantity	Part No.
344®	Red/Yellow	MAX 4-10s 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**
				Jar of 250	**30-244J**
				Jar of 500	**30-644J**
				Barrel of 20,000	**30-944**

*1,000V 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
- Tough, UL 94V-2 flame-retardant shell rated at 105˚C (221˚F)

LISTED Sealed Wire Connector System 5N35 · Cu/Cu Only

UnderGround Wire Connectors

Below Grade (Ground) Use

- 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)

LISTED Sealed Wire Connector System 5N35 · Cu/Cu Only

WeatherProof Wire Connectors					
Model	**Color**	**Wire Combination Range**	**Wire Combination Range (mm)**	**Quantity**	**Part No.**
61®	Gray/Orange	600V* 22 to 14 AWG Min. 2 #20 - Max. 2 #14	600V* ,34mm² to 4,0mm² Min. 2-,5mm² – Max. 2-2,5mm²	Card of 25	**30-1161**
				Jar of 150	**30-1261J**
				Carton of 1,000	**30-1361**
62®	Gray/Red	600V* 18 to 8 AWG Min. 3 #18 - Max. 2 #10 w/1 #14	600V* ,75mm² to 10,0mm² Min. 2-1,5mm² Sol. - Max. 2-6,0mm²	Card of 20	**30-1162**
				Jar of 100	**30-1262J**
				Carton of 1,000	**30-1362**
63®	Gray/Dk. Blue	600V* 16 to 6 AWG Min. 3 #14 – Max. 5 #10	600V* 1,5mm² to 16,0mm² Min. 3-2,5mm² Sol. – Max. 5-6,0mm²	Card of 15	**30-1163**
				Jar of 50	**30-1263J**
				Carton of 1,000	**30-1363**
UnderGround Wire Connectors					
Model	**Color**	**Wire Combination Range**	**Wire Combination Range (mm)**	**Quantity**	**Part No.**
60®	Gray/Gray	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	Card of 25	**30-1160**
				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**
66™	Gray/Dk. Blue	600V* 14 to 6 AWG Min. 3 #12 – Max. 2 #6 w/1 #10	600V* 2,5mm² to 16,0mm² Min. 3-4,0mm² Sol. – Max. 2-16,0mm² w/1-6,0mm²	Box of 50	**30-1066**

WeatherProof & UnderGround Wire Connector Combo Packs

Combination Packages			
Model	**Color**	**Quantity**	**Part No.**
61®/62®	Gray/Orange · Gray/Red WeatherProof Wire Connectors	Card of 10 (5 ea.)	**30-6162**
60®/64®	Gray/Blue · Gray/Dk. Blue UnderGround Wire Connectors	Card of 10 (5 ea.)	**30-6064**

*1,000V maximum in fixtures and signs

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 non-hardening, 100% silicone
- UL Listed to direct burial test standard 486D up to 600V maximum voltage

Cu/Cu Only

LISTED
Sealed Wire Connector
System 5N35

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**

*1,000V 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

LISTED Wire Connector 774A

Wire Connector also listed as grounding equipment

Model	Color	Wire Combination Ranges		Quantity	Part No.
65	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 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 1 #12 Al w/1 or 2 #18 Cu 2 #12 Al solid w/1 #18 Cu	Card of 2	**30-065**
				Card of 10	**30-765**
				Card of 25	**30-165**
				Box of 100	**30-265**
				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

UL Wire Connector 774A LISTED · Cu/Cu Only · CSA LR9706 · CE

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

*1,000V maximum in fixtures and signs

B-TWIST™ Wire Connectors

Long, Swept Wing, Fast-Start Spring

WIDER RANGE THAN COMPETITOR'S TAN/RED

- 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)

UL Wire Connector 774A LISTED · Cu/Cu Only · CSA LR9706

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

*1,000V maximum in fixtures and signs

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

WireTwist® Wire Connectors
Fixed Spring

CONSTRUCTION PRODUCTS BUCHANAN

- 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)

Wire Connector 774A LISTED · Cu/Cu Only · LR9706

Model	Color	Wire Combination Range	Wire Combination Range (mm)	Quantity	Part No.
WT1	Gray	300V 22 to 14 AWG Min. 3 #22 – Max. 2 #16	300V ,34mm² to 2,5mm² Min. 3-,34mm² – Max. 2-1,5mm²	Box of 100	**WT1-1**
				Bag of 500	**WT1-B**
WT2	Blue	300V 22 to 14 AWG Min. 3 #20 – Max. 3 #16	300V ,34mm² to 2,5mm² Min. 3-,50mm² – Max. 3-1,5mm²	Box of 100	**WT2-1**
				Bag of 500	**WT2-B**
WT3	Orange	600V* 22 to 14 AWG Min. 2 #18 – Max. 2 #14	600V* ,34mm² to 2,5mm² Min. 2-,75mm² – Max. 2-2,5mm²	Box of 100	**WT3-1**
				Bag of 500	**WT3-B**
WT4	Yellow	600V* 22 to 10 AWG Min. 3 #20 – Max. 2 #12	600V* ,75mm² to 6,0mm² Min. 2-,75mm² – Max. 2-4,0mm²	Box of 100	**WT4-1**
				Bag of 500	**WT4-B**
WT6	Red	600V* 20 to 8 AWG Min. 2 #14 – Max. 4 #12	600V* ,50mm² to 10,0mm² Min. 2-2,5mm² – Max. 4-4,0mm²	Box of 100	**WT6-1**
				Bag of 250	**WT6-B**

*1,000V 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.

Wire Connector 774A LISTED · Cu/Cu Only · LR9706

Model	Color	Wire Combination Range	Wire Combination Range (mm)	Quantity	Part No.
WT51	Yellow	600V* 18 to 10 AWG Min. 2 #18 – Max. 3 #12	600V* ,75mm² to 6,0mm² Min. 2-,75mm² – Max. 3-4,0mm²	Box of 100	**WT51-1**
				Bag of 500	**WT51-B**
				Jar of 500	**WT51-500JR**
				Barrel of 25,000	**WT51-SK**
WT41	Tan	600V* 22 to 10 AWG Min. 2 #20 – Max. 3 #10	600V* ,34mm² to 6,0mm² Min. 2-0,5mm² – Max. 3-6,0mm²	Box of 100	**WT41-1**
				Bag of 500	**WT41-B**
				Jar of 500	**WT41-500JR**
				Barrel of 25,000	**WT41-SK**
WT52	Red	600V* 18 to 10 AWG Min. 2 #14 – Max. 5 #12	600V* ,75mm² to 6,0mm² Min. 2-2,5mm² – Max. 5-4,0mm²	Box of 100	**WT52-1**
				Bag of 500	**WT52-B**
				Jar of 500	**WT52-500JR**
				Barrel of 25,000	**WT52-SK**
WT54	Blue	600V* 14 to 6 AWG Min. 3 #12 – Max. 2 #6	600V* 2,5mm² to 16,0mm² Min. 3-4,0mm² – Max. 2-16,0mm²	Box of 50	**WT54-1**
				Bag of 100	**WT54-B**
WGR	Green	14 to 10 AWG Min. 2 #14 – Max. 5 #12	2,5mm² to 6,0mm² Min. 2-2,5mm² – Max. 5-4,0mm²	Box of 50	**WGR-1**
				Carton of 250	**WGR-B**

*1,000V maximum in fixtures and signs

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

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.

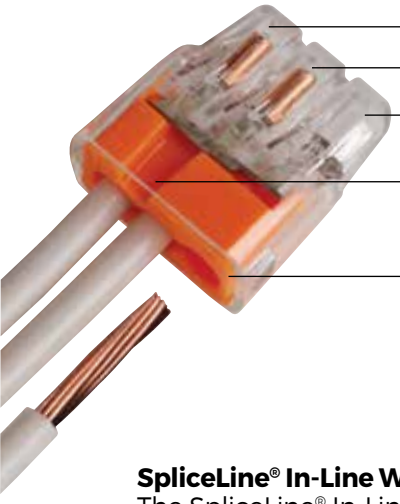
PUSH-IN WIRE CONNECTORS

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.

75%
FASTER
THAN BUTT SPLICES
NO MORE CRIMPING

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 ½ 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

SpliceLine®

UL Wire Connector 774A LISTED Cu/Cu Only

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

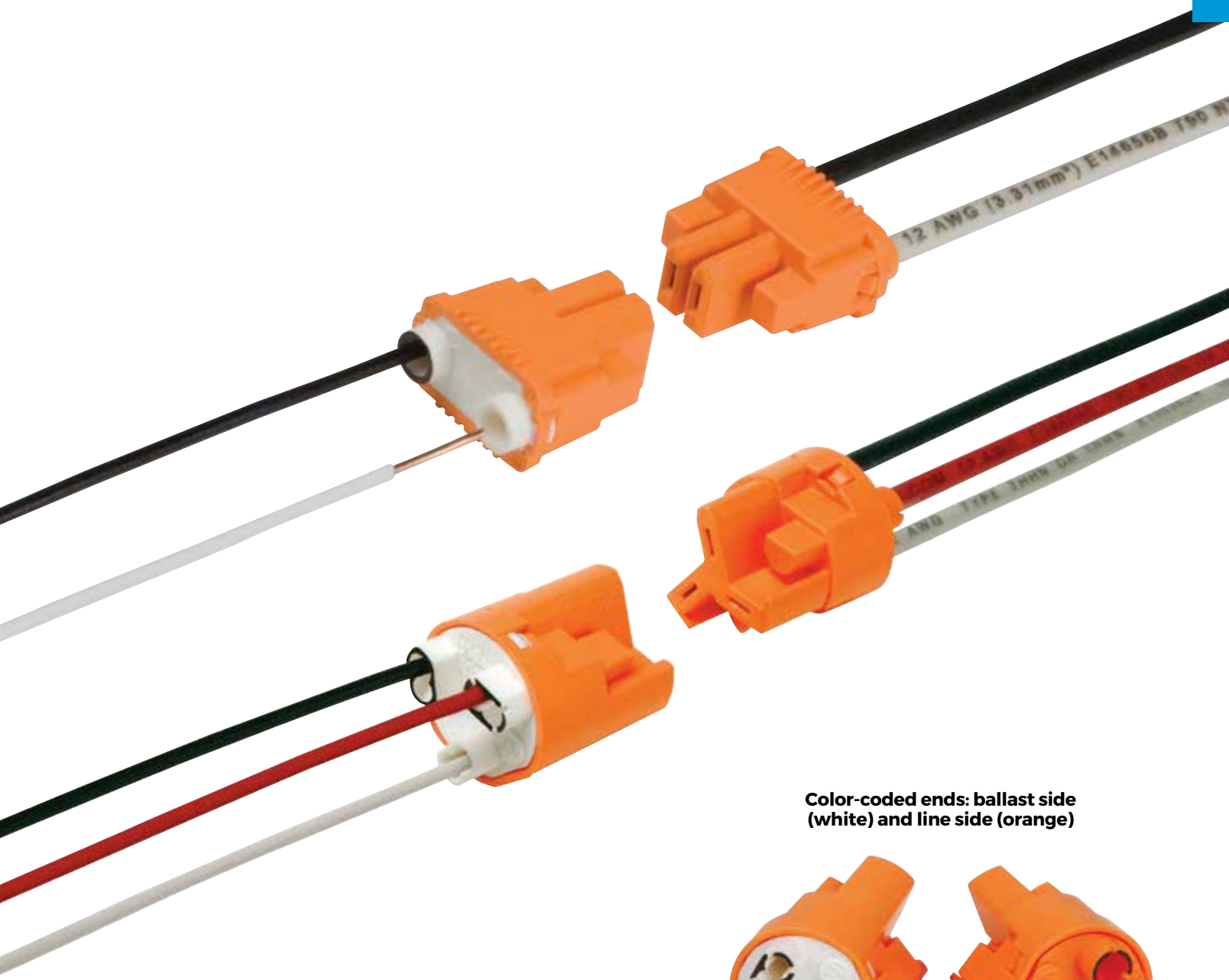
UL Wire Connector 774A LISTED Cu/Cu Only

Model	Color	Ports	Amp Rating	Wire Range	Quantity	Part No.
32	Red	2	20 Amp	Solid: 20 – 12 AWG Stranded: 16 – 12 AWG (≤19 str.) 18 AWG (7 Strand) Stranded (Tin Bonded): 18 – 14 AWG (≤19 str.)	Box of 100	**30-1032**
					Jar of 300	**30-1032J**
					Box of 5,000	**30-1632**
33	Orange	3	20 Amp		Box of 100	**30-1033**
					Jar of 250	**30-1033J**
					Box of 5,000	**30-1633**
34	Yellow	4	20 Amp		Box of 100	**30-1034**
					Jar of 200	**30-1034J**
					Box of 5,000	**30-1634**
87	Gray	5	20 Amp	Solid: 20 – 12 AWG Stranded: 16 – 14 AWG (≤19 str.) 18 AWG (7 Strand) Stranded (Tin Bonded): 18 – 14 AWG (≤19 str.)	Jar of 150	**30-087J**
					Box of 3,000	**30-687**
88	Blue	6 Stacked	20 Amp		Jar of 100	**30-088J**
					Box of 2,500	**30-688**
90	Black	8	20 Amp		Jar of 100	**30-090J**
					Box of 2,000	**30-690**
39	Blue	3	30 Amp	Solid: 14 – 10 AWG Stranded: 12 – 10 AWG (≤19 str.) Stranded (Tin Bonded): 14 – 10 AWG (≤19 str.)	Box of 50	**30-1039**
					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.



Color-coded ends: ballast side (white) and line side (orange)

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

Model 103

Model 183

Model 102®

Model 182®

LISTED
Luminaire Disconnect
3HME

Selection Chart

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

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

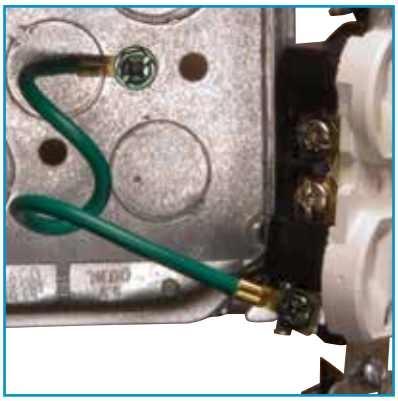
- Kit Contains:
  - Wire-Nut® Wire Connectors (100 Model 72B® Blue)
  - In-Sure® Push-In Wire Connectors (50 Model 33 Orange)
  - PowerPlug® Luminaire Disconnects (30 Model 102® 2-Port, 50 Model 182® 2-Port)
  - 1 Twist-a-Nut™ Screwdriver/Nut Driver (35-908)
  - 1 Reflex™ Super T®-Stripper Wire Stripper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

Combination

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.

THREAD FORMING

Solid Wire Grounding Tail with Push-In Wire Connector

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.

Description	Quantity	Part No.
12 AWG solid, 8 in. tail w/loop & ground screw and stripped end	Bulk Pack of 1,000	**30-3496**
12 AWG solid, 10 in. tail w/loop & ground screw and stripped end	Bag of 50	**30-3410**
12 AWG solid, 10 in. tail w/loop & ground screw and stripped end	Bulk Pack of 500	**30-3394**
12 AWG solid, 12 in. tail w/loop & ground screw and stripped end	Bulk Pack of 1,000	**30-3396**

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.

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.

Combo Grounding Tails

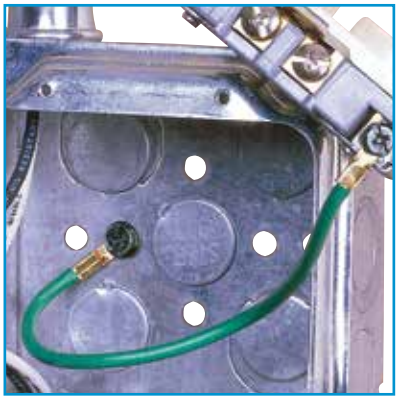
Description	Quantity	Part No.
2-wire combo: 12 AWG solid 8 in. tail, one stripped end, one end w/ground screw; joined to 12 AWG stranded 8 in. tail at a ring terminal, w/fork terminal on second end	Box of 500	**30-3286**
2-wire combo: 12 AWG stranded 8 in. tail w/#10 ring & ground screw, one stripped-end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

30-3289

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**

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**



Grounding Screws

THREAD FORMING

- 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.
Thread-forming, hole-finding, combination hex, Phillips, slotted and Robertson head	Jar of 100	**30-3594**
	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 connections
- Tough, UL 94V-2 flame-retardant shell rated at 105˚C (221˚F)

UL LISTED Ground Connector 951L Cu/Cu Only CSA®

Model	Description	Wire Combination Range	Wire Combination Range (mm)	Quantity	Part No.
92®	Greenie® Grounding Wire Connector	14 to 10 AWG Min. 2 #14 – Max. 4 #12	2,5mm² to 6,0mm² Min. 2-2,5mm² Max. 2-4,0mm² w/1-2,5mm²	Box of 100	**30-092**
				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

LISTED Wire Connector — Cu/Cu Only

- Designed for making fast, permanent, pressure-type 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.
410	600V 18 – 10 AWG Min. 1 #14 & 1 #18 – Max. 2 #10 & 2 #14	Bag of 100	**30-410**
		Carton of 1,000	**30-510**
		Keg of 10,000	**30-610**
411	600V 18 – 8 AWG Min. 3 #12 – Max. 4 #10	Box of 50	**30-411**
		Carton of 1,000	**30-511**
412	600V 18 – 4 AWG Min. 1 #14 & 1 #16 – Max. 2 #8 & 1 #6	Box of 50	**30-412**
		Carton of 1,000	**30-512**

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

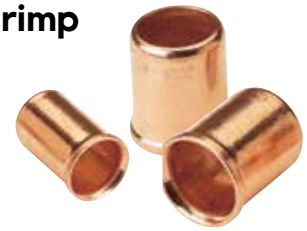
Wrap-Cap® Insulators

LISTED Wire Connector

- 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 used on Buchanan 2006S & 2011S Copper Crimps	Box of 50	**30-445**
		Carton of 1,000	**30-515**
417	Insulator for Model 411 & 412 Connectors. Can also be used on Buchanan 2011S Copper Crimps	Box of 25	**30-447**
		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.
Copper Crimp Connector	600V* 18 to 10 AWG Min. 2 #18, - Max. 4 #12	Bag of 100	**2006S**
		Bag of 1,000	**2006SB**
	600V* 14 to 4 AWG Min. 2 #10 - Max. 2 #6	Bag of 50	**2011S**
		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.

LISTED Wire Connector — Cu/Cu Only

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)

Description	Quantity	Part No.
For use on Connector Model 2006S	Box of 100	**2007**
	Bag of 1,000	**2007B**
For use on Connector Model 2011S	Box of 50	**2014**
	Bag of 500	**2014B**

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 knock-down, 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.

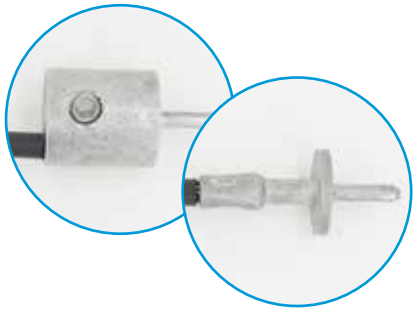
In addition, the bright orange color of the SLK® makes the product easy to locate in dark junction boxes, in hand holes, or in a nighttime knockdown situation when the connector is often buried amongst dirt, mud, and debris.

- 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

Neutral configurations come with white fuse-holder and dummy fuse

Paired (hot/neutral) configurations are keyed to prevent reverse polarities

Crimp or set screw terminations



High visibility orange material (UL94V-2 flame rated)

Ribbed boots provide superior grip

Fuse stays on de-energized load side when separated

Large, clear markings

SLK® DISCONNECT FUSE KIT

SLK® Ordering Information

To Determine which Kit to Use:

1. Select the base part number, based on crimp termination (TABLE 1) or set screw termination (TABLE 3), number of wires on line/load side, and wire size.
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:

1. 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.

CRIMP

Table 1: Crimp Base Part numbers

			Load													
			1 Wire							2 Wire						
			2 AWG	4 AWG	6 AWG	8 AWG	10 AWG	12 AWG	14 AWG	2 AWG	4 AWG	6 AWG	8 AWG	10 AWG	12 AWG	14 AWG
Line	1 Wire	2 AWG	30-C1212	30-C1212	30-C1216	30-C1216	30-C1216	30-C1216	30-C1216			30-C1222	30-C1222	30-C1226	30-C1226	30-C1226
		4 AWG		30-C1212	30-C1216	30-C1216	30-C1216	30-C1216	30-C1216			30-C1222	30-C1222	30-C1226	30-C1226	30-C1226
		6 AWG			30-C1616	30-C1616	30-C1616	30-C1616	30-C1616			30-C1622	30-C1622	30-C1626	30-C1626	30-C1626
		8 AWG				30-C1616	30-C1616	30-C1616	30-C1616				30-C1622	30-C1626	30-C1626	30-C1626
		10 AWG					30-C1616	30-C1616	30-C1616					30-C1626	30-C1626	30-C1626
		12 AWG						30-C1616	30-C1616						30-C1626	30-C1626
		14 AWG							30-C1616							30-C1626
	2 Wire	2 AWG	30-C2012	30-C2012	30-C2016	30-C2016	30-C2016	30-C2016	30-C2016			30-C2022	30-C2022	30-C2026	30-C2026	30-C2026
		4 AWG		30-C2012	30-C2016	30-C2016	30-C2016	30-C2016	30-C2016			30-C2022	30-C2022	30-C2026	30-C2026	30-C2026
		6 AWG			30-C2216	30-C2216	30-C2216	30-C2216	30-C2216			30-C2222	30-C2222	30-C2226	30-C2226	30-C2226
		8 AWG				30-C2216	30-C2216	30-C2216	30-C2216				30-C2222	30-C2226	30-C2226	30-C2226
		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

ONE KIT WILL COVER A LARGE WIRE RANGE

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 Number (Hot)	Variation (If applicable)			
	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 Number (Hot)	Variation (If applicable)			
	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			

SET SCREW

Table 3: Set Screw Base Part numbers

			Load													
			1 Wire							2 Wire						
			2 AWG	4 AWG	6 AWG	8 AWG	10 AWG	12 AWG	14 AWG	2 AWG	4 AWG	6 AWG	8 AWG	10 AWG	12 AWG	14 AWG
Line	1 Wire	2 AWG	30-S1212	30-S1212	30-S1212	30-S1212	30-S1212	30-S1212	30-S1212	30-S1222	30-S1222	30-S1222	30-S1222	30-S1222	30-S1222	30-S1222
		4 AWG		30-S1212	30-S1212	30-S1212	30-S1212	30-S1212	30-S1212		30-S1222	30-S1222	30-S1222	30-S1222	30-S1222	30-S1222
		6 AWG			30-S1212	30-S1212	30-S1212	30-S1212	30-S1212			30-S1222	30-S1222	30-S1222	30-S1222	30-S1222
		8 AWG				30-S1212	30-S1212	30-S1212	30-S1212				30-S1222	30-S1222	30-S1222	30-S1222
		10 AWG					30-S1212	30-S1212	30-S1212					30-S1222	30-S1222	30-S1222
		12 AWG						30-S1212	30-S1212						30-S1222	30-S1222
		14 AWG							30-S1212							30-S1222
	2 Wire	2 AWG	30-S2212	30-S2212	30-S2212	30-S2212	30-S2212	30-S2212	30-S2212	30-S2222	30-S2222	30-S2222	30-S2222	30-S2222	30-S2222	30-S2222
		4 AWG		30-S2212	30-S2212	30-S2212	30-S2212	30-S2212	30-S2212		30-S2222	30-S2222	30-S2222	30-S2222	30-S2222	30-S2222
		6 AWG			30-S2212	30-S2212	30-S2212	30-S2212	30-S2212			30-S2222	30-S2222	30-S2222	30-S2222	30-S2222
		8 AWG				30-S2212	30-S2212	30-S2212	30-S2212				30-S2222	30-S2222	30-S2222	30-S2222
		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							30-S2212							30-S2222

ONE KIT WILL COVER A LARGE WIRE RANGE

Table 4: Set Screw Variations

Base Part Number	Variation (If applicable)			
	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

Description	2 Line Side	1 Load Side	Part No.
Y-Tap Breakaway, set screw; non-fused (Neutral)	2-14 AWG	2-14 AWG	**30-S2212N**
Y-Tap Breakaway, crimp; non-fused (Neutral)	2-4 AWG	2-4 AWG	**30-C2012N**
Y-Tap Breakaway, crimp; non-fused (Neutral)	2-4 AWG	6-14 AWG	**30-C2016N**
Y-Tap Breakaway, crimp; non-fused (Neutral)	6-8 AWG	6-14 AWG	**30-C2216N**
Y-Tap Breakaway, crimp; non-fused (Neutral)	10-14 AWG	6-14 AWG	**30-C2616N**

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**

One Wire Line/2 Wires Load Non-Fused

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

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**

Two Wire Lines/2 Wires Load Non-Fused

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 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**

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	2-14 AWG	**30-S2222P**

Y-Tap Dual Fused

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

SLK accepts solid or stranded and copper or aluminum conductors.

Fuseholders (No Boot Included)

30-HS2 **30-HC6**

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

CONSTRUCTION PRODUCTS BUCHANAN

- 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

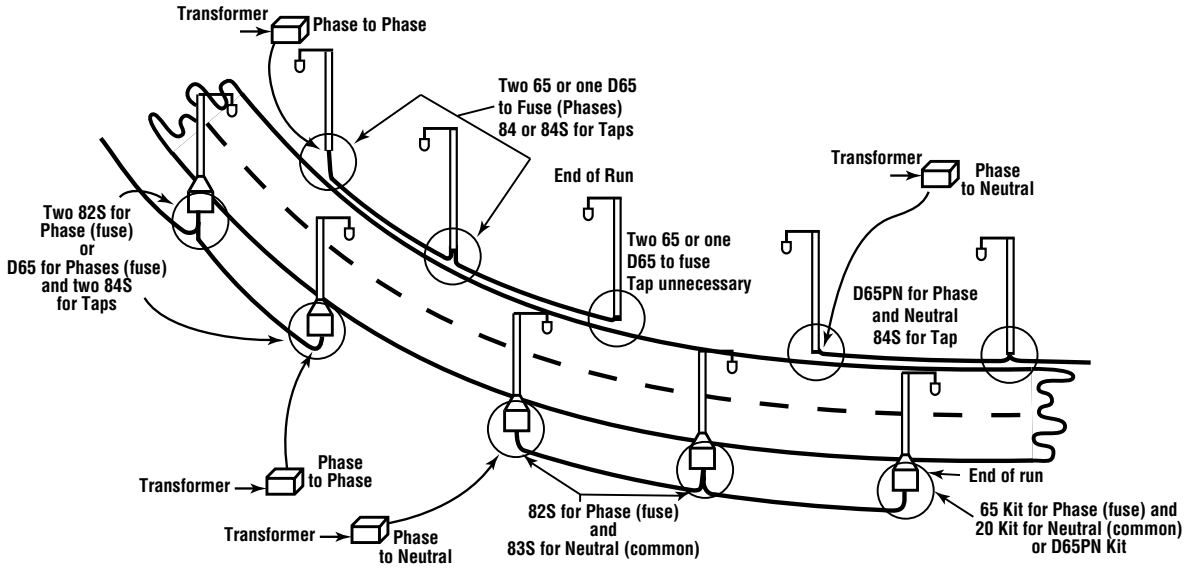
(Examples of Several Configurations)

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

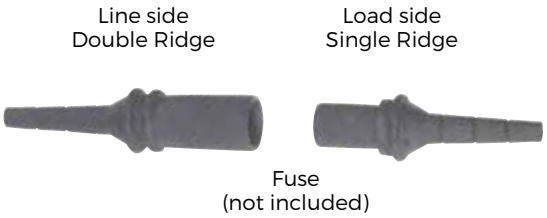
For Lights Mounted to Utility Poles, etc.

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.



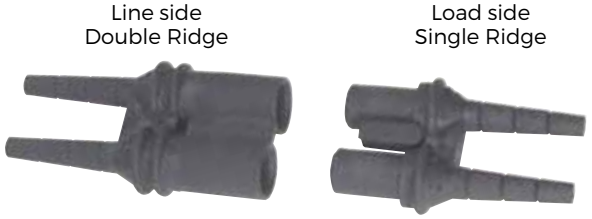
Note: Fused kits require a 13/32 in. x 1-1/2 in. fuse. **DO NOT USE GLASS OR INDICATING TYPES.** Waterproof or direct burial wire is recommended. **THHN is NOT recommended.**

In-Line Fused (Hot)



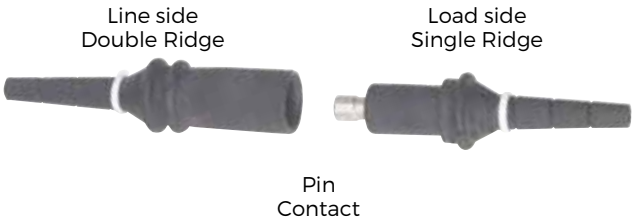
Description	1 Line Side	1 Load Side	Part No.
In-Line Breakaway, crimp, fused	12-6 AWG Cu	12-6 AWG Cu	**65U**
In-Line Breakaway, crimp, fused	4-2 AWG Cu	12-6 AWG Cu	**65LC-U**
In-Line Breakaway, crimp, fused	4-2 AWG Cu	4-2 AWG Cu	**65-LC**

Dual In-Line Fused (Both Hot)



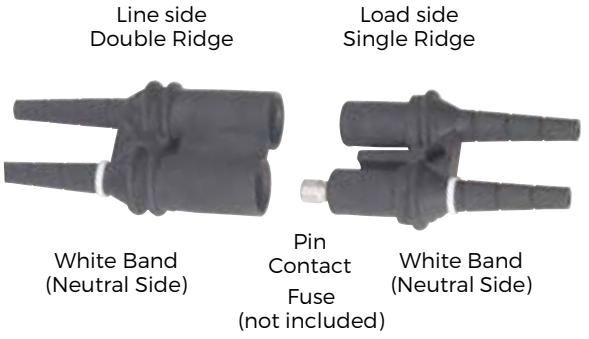
Description	1 Line Side	1 Load Side	Part No.
Dual In-Line Breakaway, crimp, fused	12-6 AWG Cu	12-6 AWG Cu	**D65U**
Dual In-Line Breakaway, crimp, fused	4-2 AWG Cu	12-6 AWG Cu	**D65-LC-U**
Dual In-Line Breakaway, crimp, fused	4-2 AWG Cu	4-2 AWG Cu	**D65-LC**

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**

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



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

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.

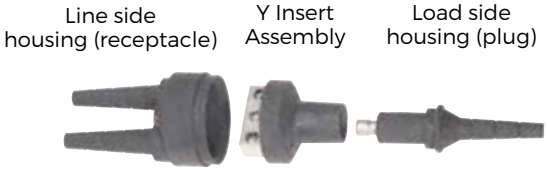
LR32565

Y-Tap Fused (Hot)

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**

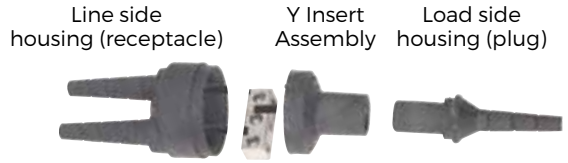
Y-Tap Non-Fused (Neutral)



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**

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



Terminal Block

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

CONSTRUCTION PRODUCTS BUCHANAN

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.

LR32565

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

Durable plastic package for easy storage.

Ring Terminals

Vinyl Insulated Ring Terminals

Wire Range	Stud Size in.	Max. Wire Ins. Dia.	Qty.	Part No.	Qty.	Part No.
22 – 18 AWG (0,5 – 1,0mm²)	6 (3,7mm)	0.157 (4,0mm)	25	**83-2121**	–	–
	8 (4,3mm)		25	**83-2131**	–	–
	10 (5,3mm)		25	**83-2141**	–	–
	1/4 (6,4mm)		25	**83-2151**	–	–
16 – 14 AWG (1,5 – 2,5mm²)	6 (3,7mm)	0.177 (4,5mm)	25	**83-2221**	–	–
	8 (4,3mm)		25	**83-2231**	–	–
	10 (5,3mm)		25	**83-2241**	1,000	**84-2241**
	1/4 (6,4mm)		25	**83-2251**	–	–
12 – 10 AWG (4,0 – 6,0mm²)	8 (4,3mm)	0.248 (6,3mm)	25	**83-2331**	–	–
	10 (5,3mm)		25	**83-2341**	1,000	**84-2341**
	1/4 (6,4mm)		25	**83-2351**	–	–
	5/16 (8,4mm)		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 (0,5 – 1,0mm²)	8 (4,3mm)	25	**83-0131**	–	–
	10 (5,3mm)	25	**83-0141**	–	–
16 – 14 AWG (1,5 – 2,5mm²)	6 (3,7mm)	25	**83-0221**	–	–
	8 (4,3mm)	25	**83-0231**	–	–
	10 (5,3mm)	25	**83-0241**	1,000	**84-0241**
12 – 10 AWG (4,0 – 6,0mm²)	8 (4,3mm)	25	**83-0331**	–	–
	10 (5,3mm)	25	**83-0341**	1,000	**84-0341**
	1/4 (6,4mm)	25	**83-0351**	–	–
8 AWG (8,0mm²)	10 (5,3mm)	25	**83-0421**	500	**84-0421**
	1/4 (6,4mm)	25	**83-0431**	–	–
	5/16 (8,4mm)	25	**83-0441**	–	–
	3/8 (10,5mm)	25	**83-0451**	–	–
6 AWG (14,0mm²)	10 (5,3mm)	20	**83-0511**	–	–
	1/4 (6,4mm)	20	**83-0521**	–	–
	5/16 (8,4mm)	20	**83-0531**	–	–
	3/8 (10,5mm)	20	**83-0541**	–	–
4 AWG (22,0mm²)	1/4 (6,4mm)	20	**83-0611**	–	–
	5/16 (8,4mm)	20	**83-0621**	–	–
	3/8 (10,5mm)	20	**83-0631**	–	–

105˚C/600 Volts max.

UL LISTED Wire Connector 774A Cu only c UL

Spade Terminals

Vinyl Insulated Spade Terminals

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

75˚C/600 Volts max.

UL LISTED Wire Connector 774A Cu only c UL

Vinyl Insulated Snap Spade Terminals

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

75˚C/600 Volts max.

UL LISTED Wire Connector 774A Cu only c UL

Non-Insulated Spade Terminals

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

105˚C/600 Volts max.

UL LISTED Wire Connector 774A Cu only c UL

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)	0.150 (3,8mm)	25	**83-9511**	–	–
	.187 x .020 (4,75mm x 0,5mm)		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)	0.185 (4,7mm)	25	**83-9521**	–	–
	.187 x .020 (4,75mm x 0,5mm)		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.

LISTED Wire Connector 774A Cu only c UL

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˚C/300 Volts max.

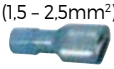
LISTED Wire Connector 774A Cu only c UL

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 (3,8mm)	25	**83-9771**	1,000	**84-9771**
16 – 14 AWG (1,5 – 2,5mm²) 	.250 x .032 (6,35mm x 0,8mm)	0.185 (4,7mm)	25	**83-9781**	1,000	**84-9781**
12 – 10 AWG (4,0 – 6,0mm²)	.250 x .032 (6,35mm x 0,8mm)	0.244 (6,2mm)	25	**83-9791**	500	**84-9791**

105˚ C/300 Volts max.

LISTED Wire Connector 774A Cu only c UL

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)	0.185 (4,7mm)	25	**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.

LISTED Wire Connector 774A Cu only c UL

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.

LISTED Wire Connector 774A Cu only c UL

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.

LISTED Wire Connector 774A Cu only c UL

Disconnects

Vinyl Insulated Multi-Stack 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)	0.15 (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.

UL Wire Connector 774A LISTED Cu only c UL

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.

UL Wire Connector 774A LISTED Cu only c UL

Splices

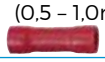
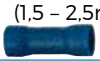
Tap Splices

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 AWG (1,5 – 2,5mm²)	Blue	25	**83-3271**	–	–
12 – 10 AWG (4,0 – 6,0mm²)	Yellow	25	**83-3281**	–	–

75˚C/600 Volts max.

UL Wire Connector 774A LISTED Cu only c UL

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.

UL Wire Connector 774A LISTED Cu only c UL

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.
48	600V* Min. 2 #22 Max. 1 #14 w/2 #18	Carton of 1,000	**30-245**
		Keg of 10,000	**30-645**
49	600V* Min. 1 #22 w/1 #18 Max. 1 #12 w/1 #16	Carton of 1,000	**30-249**
		Keg of 10,000	**30-649**
NC-8	600V* Min. 4 #16 Max. 1 #12 w/4 #14	Carton of 1,000	**30-148**
		Keg of 5,000	**30-648**
NC-2212**	600V* Min. 2 #22 Max. 5 #18	Carton of 1,000	**30-146**
		Keg of 10,000	**30-646**

*1,000V maximum in fixtures and signs.
Note: Connectors are transparent. **Stranded wires only.

Cu/Cu Only
LISTED
Wire Connector

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**

*1000V maximum in fixtures and signs.

Cu/Cu Only
LISTED
Wire Connector

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 vibration-resistant 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.
10	300V 22 to 10 AWG Min. 1 #20 w/1 #22 – Max. 2 #14 w/1 #16	Box of 100	**30-210**
		Carton of 1,000	**30-310**
11	600V 22 to 10 AWG Min. 1 #14 w/1 #20 – Max. 3 #14 w/2 #18	Box of 100	**30-211***
		Carton of 1,000	**30-311***
22	600V 20 to 10 AWG Min. 1 #16 w/3 #18 – Max. 2 #10 w/1 #12	Box of 100	**30-222***
		Carton of 1,000	**30-322***

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

Cu/Cu Only
LISTED
Wire Connector

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**

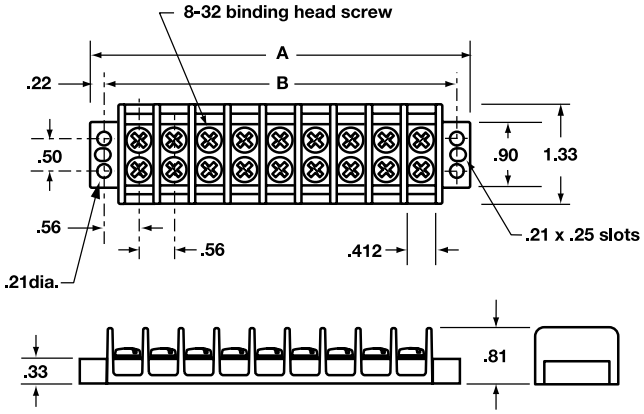
TERMINAL STRIPS

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. - lb.

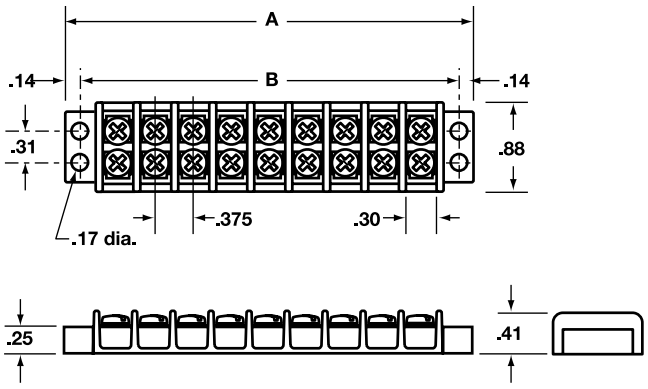


No. of Poles	Dimensions (Inches)		Part No.
	A	B	
2	2.13	1.69	**89-202**
3	2.69	2.25	**89-203**
4	3.25	2.81	**89-204**
6	4.37	3.94	**89-206**
8	5.50	5.06	**89-208**
10	6.62	6.19	**89-210**
12	7.75	7.31	**89-212**

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.

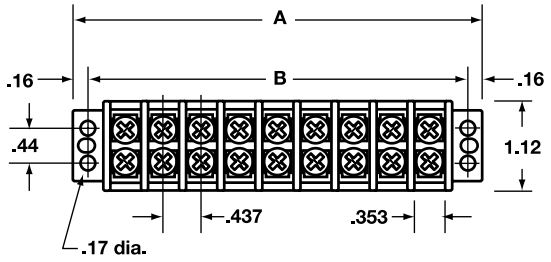


No. of Poles	Dimensions (Inches)		Part No.
	A	B	
2	1.40	1.12	**89-302**
4	2.16	1.88	**89-304**
6	2.90	2.62	**89-306**
8	3.66	3.38	**89-308**
10	4.40	4.12	**89-310**
12	5.16	4.88	**89-312**

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 steel terminal screws
- Recommended torque: 9 in. - lb.



No. of Poles	Dimensions (Inches)		Part No.
	A	B	
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.

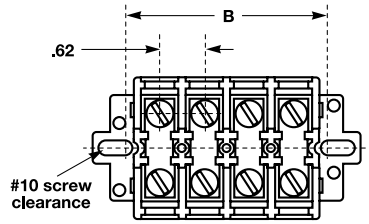
Jumpers

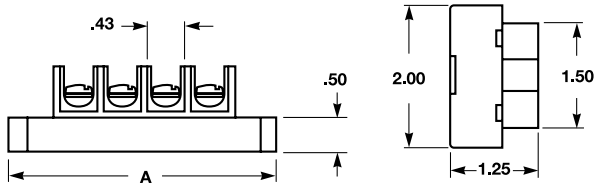
- Provides easy connection of multiple circuits

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	.562	10	**89-229**	**89-224**	—
		100	**89-230**	—	—
89-300	.375	10	**89-323**	**89-324**	—
		100	**89-330**	—	—
89-400	.437	10	**89-423**	**89-424**	—
		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. - lb.





No. of Poles	Dimensions (Inches)		Standard Block Part No.	Shorting Block Part No.
	A	B		
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**

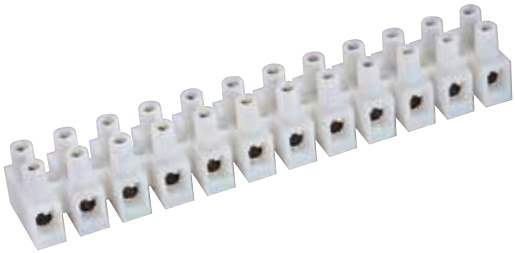
Ratings: 60A/600V UL Listed, CSA Certified (Max. rating achieved with #6 AWG Cu wire crimped to ring terminals)

Quick Connects

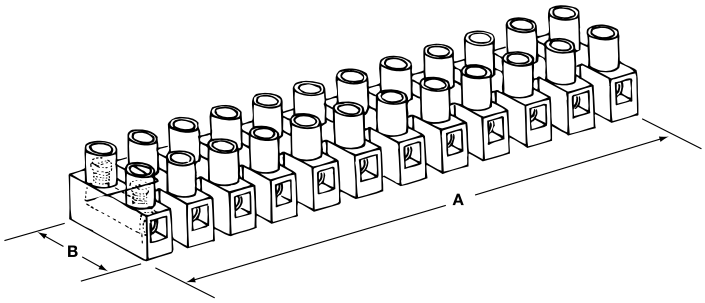
- Allows fast, flexible circuit changes

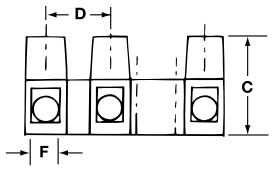
For use w/ Terminal Strip Series	Tab Size (in.)	Qty.	Flat-None Part No.	Flat-Flat Part No.
89-300	.187 x .020	10	**89-314**	**89-317**
89-200 & 89-400	.250 x .031	10	**89-414**	**89-417**

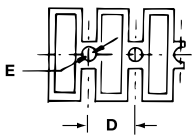
BARRIER STRIPS



- Recessed screws and tubular contacts provide added safety and help prevent short circuits
- 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 Ratings	Wire Range	No. of Circuits	Torque in.- lb.	Dimensions (Inches)						Part No.
				A	B	C	D	E	F*	
20A/300V UL 20A/600V CSA	22 - 12 AWG	12	3.5	3.787	0.669	0.570	0.315	0.114	0.110	**89-608**
30A/300V UL 30A/600V CSA	22 - 10 AWG 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 Connectors

Safe, 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 insulation-piercing design eliminates downtime and power interruptions.

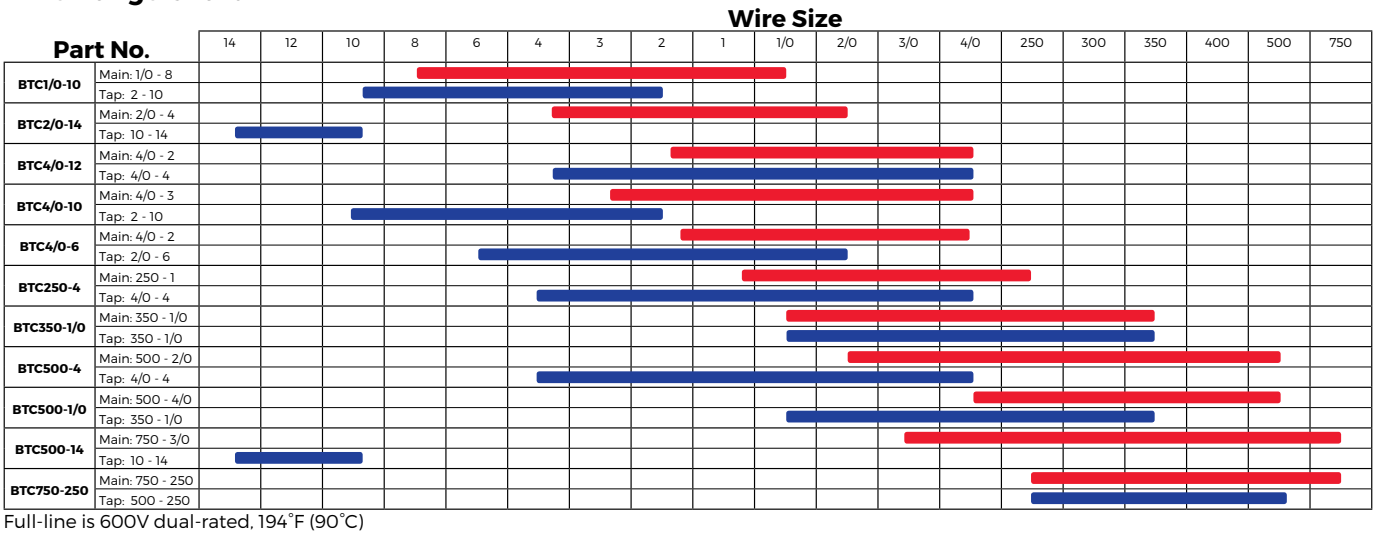
That translates into a 60% installed cost savings compared to split bolts. Installation is easy; all you need is a standard socket or wrench. B-TAP® Connectors can be safely installed on energized systems, eliminating power interruptions and downtime.

B-TAP® Connectors...EASY AS 1, 2, 3.

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

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

Wire Range Chart

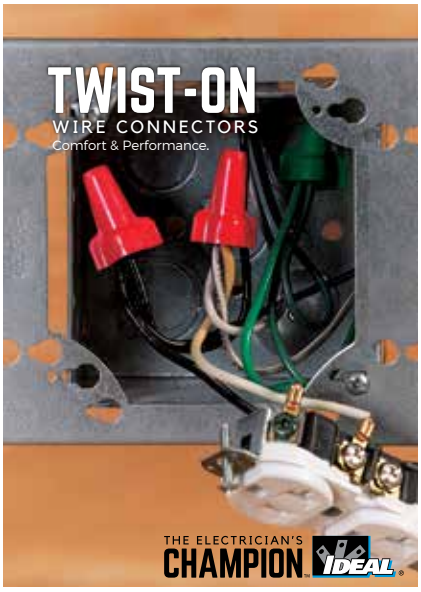


Full-line is 600V dual-rated, 194˚F (90˚C)

Conductor Range		Voltage Rating	Socket Size (Inches)	Torque (In. Lbs.)	No. of Bolts	Part No.
Run	Tap					
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	10-14[4]	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
[4] Tap #10 - #14 Cu solid/stranded; #10 - #12 Al stranded

WIRE CONNECTOR SAMPLE PACKS



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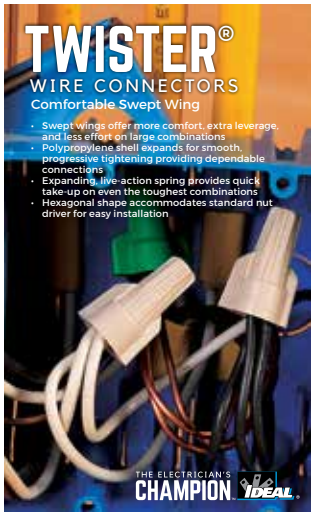

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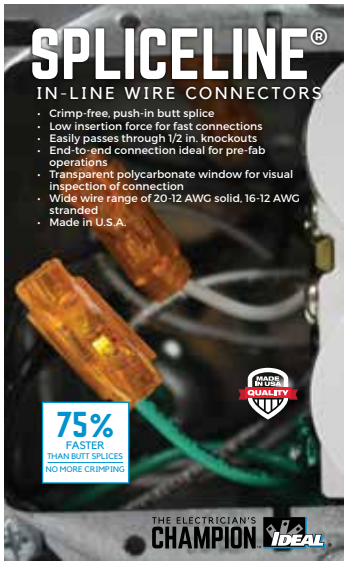

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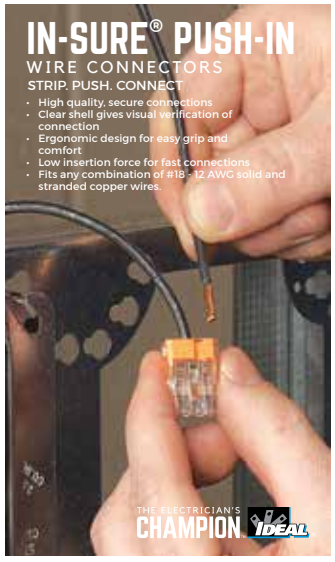

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Visit us at idealind.com for more information or email us at contactus@idealindustries.com for a free sample by referencing the P# above.

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 providng professional electricians with quality tools since 1916.

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PLIERS
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THE ELECTRICIAN'S CHAMPION™ IDEAL®

WIRE FISHING

Type

Blued Steel™

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

Stainless Steel

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

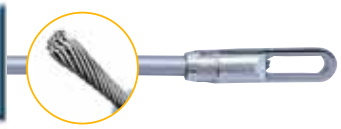
S-Class®

- 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.

Volt-Guard

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

Zoom™



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

Gold-Fish®

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

Cases

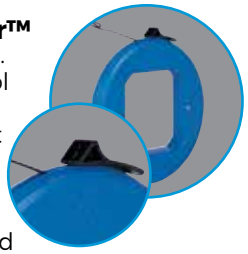
Tuff-Grip™ Pro

- 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

Rapid-Pak®

- 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**
100	3/16 in.	12 in.	Metal Eyelet	**31-092**	**31-093**
200	3/16 in.	16 in.*	Metal Eyelet	**31-096**	–

*Traditional handle

Gold-Fish® Fish Tape

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

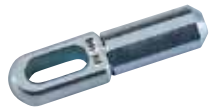
Length (ft.)	Diameter	Case Diameter	End Type	Tuff-Grip™ Pro	Replacement Tape (No Case)
50	3/16 in.	12 in.	Metal Eyelet	**31-144**	**31-141**

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**

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**

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 Non-Conductive Tip Replacement Kits

31-203

31-541

- 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**

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.

31-158

31-166

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**

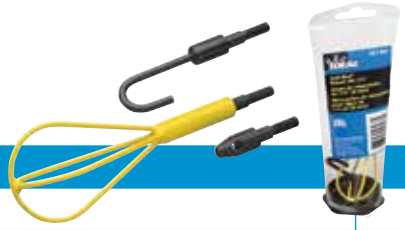
Tuff-Rod™ Extra Flex Glow Fishing Poles

- 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

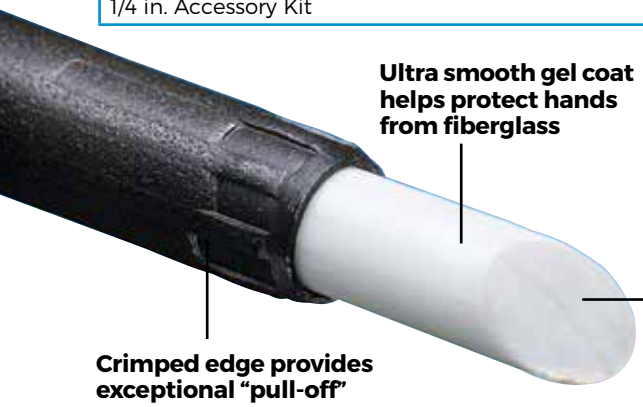
Description	Length	Diameter	Sections	Part No.
Fixed bullet nose and threaded J hook	12 ft. total	3/16 in.	3 ea. 4 ft.	**31-631**
Fixed bullet nose and threaded J hook	30 ft. total	3/16 in.	5 ea. 6 ft.	**31-633**
Replacement Rods	4 ft. x 12	3/16 in.	12 ea. 4 ft.	**31-647**
Replacement Rods	6 ft. x 12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

Tuff-Rod™ Accessory Kits

- Includes replacement heads: one threaded bullet nose, one threaded J hook and one threaded whisk



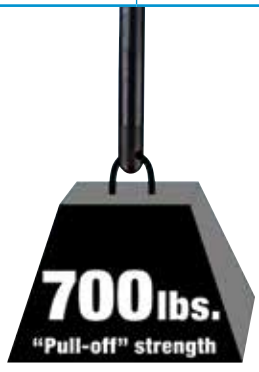
Description	Part No.
3/16 in. Accessory Kit	**31-651**
1/4 in. Accessory Kit	**31-652**



Ultra smooth gel coat helps protect hands from fiberglass

Fiber reinforced composite pultrusion for consistent high quality

Crimped edge provides 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 Types):							
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 x L X 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
- High percent conduit fill
- Pulls with several bends
- High temperatures
- Not food grade

Yellow 77® Plus Wire Pulling Lubricant

- Rapid Glide™ 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)
- Dries slowly to a thin, non-conductive film that won't harden in conduit
- 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**

UL LISTED

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**

UL LISTED

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**

UL LISTED

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**

UL LISTED

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**

UL LISTED

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, cold-weather 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**

UL LISTED

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

UL LISTED

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

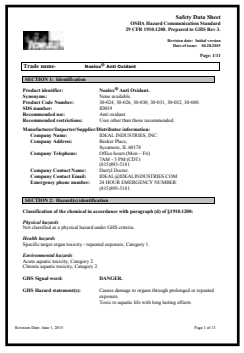
Duct Seal

- 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

UL LISTED

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.



Safety Data Sheet
OSHA Hazard Communication Standard
29 CFR 1910.1200. Prepared to GHS Rev 2.

Trade name: Noalox® Anti-Oxidant

SECTION 1: Identification

Product identifier: Noalox® Anti-Oxidant.
Synonym: None available.
Product Code Number: 30-024, 30-026, 30-030, 30-031, 30-032, 30-040, 30-1216
SDS number: ID019
Recommended use: Anti-oxidant.
Recommended restrictions: Uses other than those recommended.

Manufacturer/Importer/Supplier/Distributor information:
Company Name: IDEAL INDUSTRIES, INC.
Company Address: Becker Place, Sycamore, IL 60178
Company Telephone: Office hours (Mon – Fri) 7AM – 5 PM (CDT) (815)895-5181
Company Contact Name: Darryl Doctor
Company Contact Email: IDEAL@IDEALINDUSTRIES.COM
Emergency phone number: 24 HOUR EMERGENCY NUMBER (815)895-5181

SECTION 2: Hazard(s) identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200:

Physical hazards
Not classified as a physical hazard under GHS criteria.

Health hazards
Specific target organ toxicity – repeated exposure, Category 1.

Environmental hazards
Acute aquatic toxicity, Category 2.
Chronic aquatic toxicity, Category 2.

GHS Signal word: DANGER.

GHS Hazard statement(s): Causes damage to organs through prolonged or repeated exposure.
Toxic to aquatic life with long lasting effects.

Revision Date: June 1, 2015 Page 1 of 11

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 inner-strand and inner-conductor 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

UL LISTED

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

STANDARD DUTY 190 LBS.

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

HEAVY DUTY 210 LBS.

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

EXTRA HEAVY DUTY 500 LBS.

Description	Tensile Strength	Length	Part No.
Powr-Fish® Pull-Line	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

THREE FUNCTIONS IN ONE

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

† 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

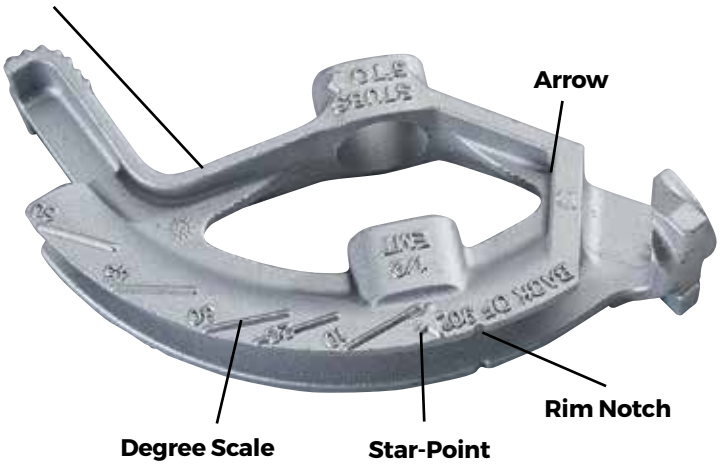
Handles

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

#1 BRAND* IN HAND BENDERS

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

High-strength ductile iron or light aluminum



Ductile Iron Benders

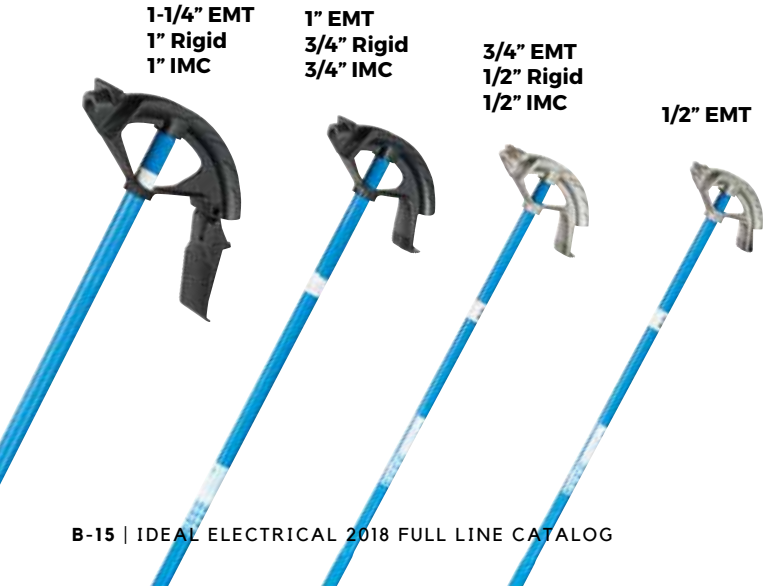
- Withstands a lifetime of heavy use
- Strong iron material

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**



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

FREE

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

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.

#1 PROFESSIONAL* PREFERRED

Kinetic® Reflex™ T®-Stripper Wire Stripper

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

Reflex™ Premium T®-Stripper Wire Stripper

- Thumb Valley™ Protection
- Textured Thermoplastic Grips
- Ergonomic Textured Handles

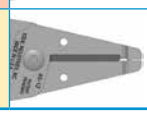
T®-Stripper Wire Stripper

- Compact, lightweight
- Precision-ground, knife-type blades
- Built-in looping holes, wire cutters and plier nose
- Straight Handles

MADE IN USA QUALITY

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

T®-Stripper Wire Stripper Selection Guide

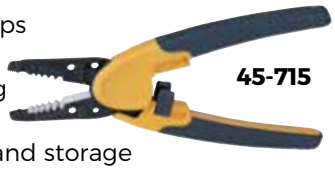
6	8	10	12	14	16	18	20	22	24	26	28	30	Hole Size		45-100's	45-400's	45-600's	45-700's	45-900's
8	10	12	14	16	18	20	22	24	26	28	30	32							
								22	24	26	28	30	Solid		45-125	45-417	–	–	–
								24	26	28	30	32	Str.						
				14	16	18	20	22	24				Solid		45-121	45-416	–	45-716	–
				16	18	20	22	24	26				Str.						
		10	12	14	16	18							Solid		45-120	45-415	–	45-715	45-915
		12	14	16	18	20							Str.						
	8	10	12	14	16								Solid		–	–	45-615	–	–
	10	12	14	16	18								Str.						
6	8	10	12	14									Solid		45-124	45-418	45-618	45-718	45-918
8	10	12	14	16									Str.						
													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	10-18 AWG	12-20 AWG	**45-119***
T®-5 T®-Stripper Wire Stripper			**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	0,75-6mm²		**45-120-341**
T®-Stripper Wire Stripper – Metric	0,5-4mm²		**45-125-341**

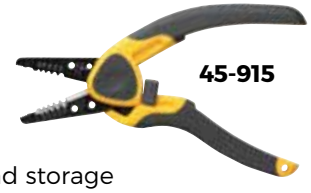
Kinetic® Super Wire Strippers



- 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® Super Wire Stripper	10-18 AWG	12-20 AWG	**45-715**
	14-24 AWG	16-26 AWG	**45-716**
	6-14 AWG	8-16 AWG	**45-718**

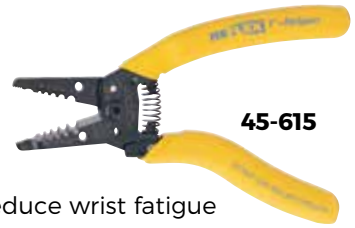
Kinetic® Reflex™ T®-Stripper Wire Strippers



- 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™ T®-Stripper Wire Stripper	10-18 AWG	12-20 AWG	**45-915**
	6-14 AWG	8-16 AWG	**45-918**

Reflex™ Super T®-Stripper Wire Strippers



- 6/32 and 8/32 self-chasing screw-cutting holes
- 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 T®-Stripper Wire Stripper	8-16 AWG	10-18 AWG	**45-615**
	8-14 AWG	8-16 AWG	**45-618**
			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.
Reflex™ Premium T®-Stripper Wire Stripper	10-18 AWG	12-20 AWG	**45-415**
	14-24 AWG	16-26 AWG	**45-416**
	22-30 AWG	24-32 AWG	**45-417**
	6-14 AWG	8-16 AWG	**45-418**
Reflex™ Premium T®-Stripper – Metric	0,5mm²-4,0mm²		**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**

*Handle contains red, white and blue grips.

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	12 or 14 AWG	**45-247**
14/2 NM Cable T®-Stripper Wire Stripper		**45-248**
12/2 NM Cable T®-Stripper Wire Stripper		**45-249**

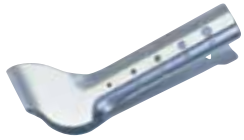
Lil' Ripper Stripper™

- Rips outer jacket of NM cable cleanly and quickly
- Clips outer sheathing to remove excess wire jacket
- 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**

Combo Tool

- Convenient, multi-function tool features precision-ground 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
- Cuts bolts
- Strips 10-22 AWG wire

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

T®-Cutter Wire Cutter

- Hardened steel, sheer-type blades
- Spring-loaded automatic opening
- Convenient plier nose for extra gripping strength
- Corrosion-resistant, black oxide finish
- Tough steel construction

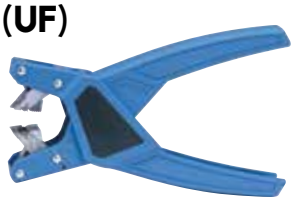
Description	Part No.
T®-Cutter Wire Cutter	**45-123**

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 fatigue

Description	Part No.
Underground Feeder Cable Stripper	**45-235**

Coax Strip and Crimp Tool

- Precision, form-ground stripping holes remove 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**

7-in-1 Stripper

- Versatile, seven-function tool features precision-ground 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

45-128

45-129

- Cuts around cable jacket as well as slits the length of jacket for easy removal
- Use with single or multiple conductor cable up to 1.50 in. O.D.
- Blade adjusts for jacket thicknesses up to .125 in.
- Spare blade in handle base

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

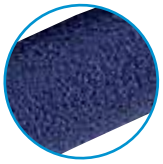
Not only do we build the tools that build our world, but we are unceasing in our support for community on a local level; union and non-union from trade schools to professional organizations. We support this industry and are committed to keeping and creating more American jobs because of it.

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

MADE IN USA QUALITY

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!

IDEAL LIFETIME GUARANTEE

Linesman

Long Nose

Tongue & Groove

Cable Cutter

Diagonal

Crimper

Slip-Joint

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

- Reinforced flange protects against breakage
- Drop-forged, high-carbon steel construction

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

35-100

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

Description	Part No.
Jab Saw	**35-275**

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 cutting
- Blade can easily be adjusted for flush cutting

- Easy tensioning wing-nut keeps blades tight for straighter cuts
- 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

35-285

35-286

35-287

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

35-021

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
- Use Wood Chisel by hand or mallet

Description	Part No.
Wood Chisel	**35-189**

Drop-Forged Hammer

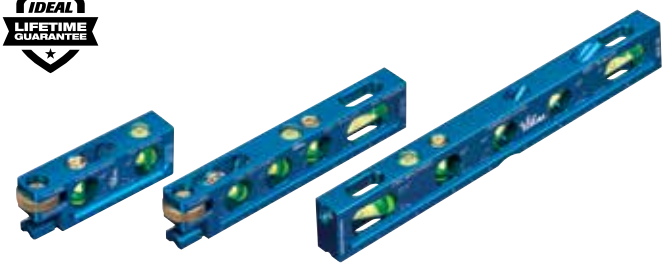
- One-piece drop-forged, tempered-steel polished head and handle
- Long, straight claws simplify removal of electrical fixtures
- Comfortable, perforated anti-vibe grips

Description	Part No.
18 oz. x 12-1/2 in. Drop-Forged Handled Hammer	**35-210**

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

35-242

35-238

Magnetic-tipped end hook

- 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.	1 in.	**35-242**
Auto-Lock Tape Measure w/Magnetic Tip - 30 ft.		**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
- Meets California C.A.R.B. standards

Description	Part No.
IDEAL Wipes, 12 in. x 9 in. (82/can)	

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

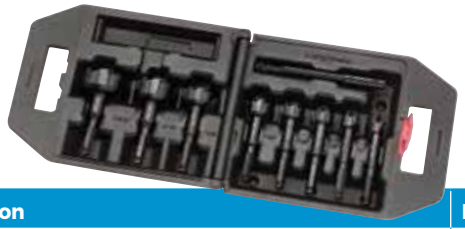
- For the professional needing to drill multiple hole sizes in any wood material

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

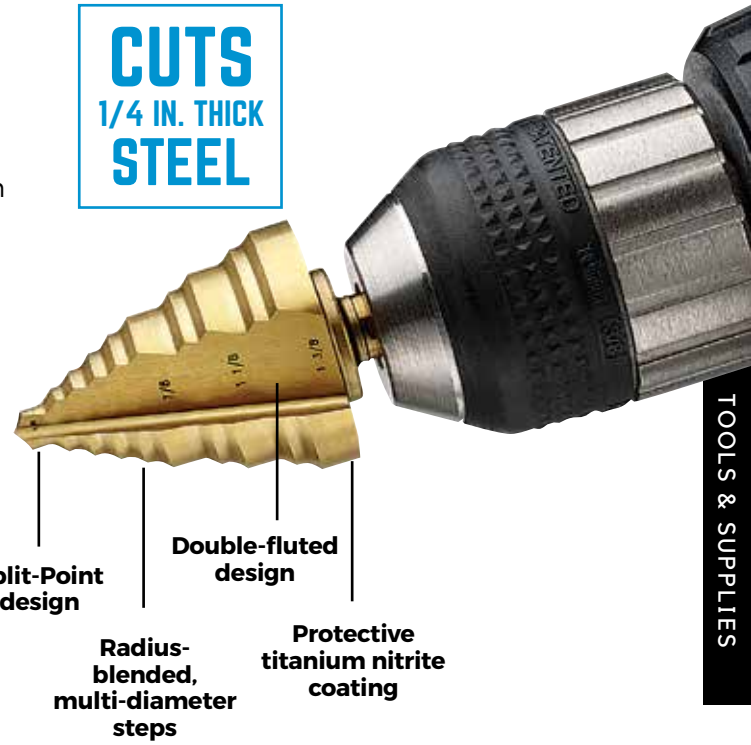
- Dual locking screws
- Allen wrench included
- Compatible with Nailbiter™ and RESI-MASTER™ Ship Augers

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.

CUTS 1/4 IN. THICK STEEL



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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**

Quick Change Step Bits

35-521

35-522

35-523

- 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

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	1/4	**35-521**
1/4 to 7/8	11	1/16	1/16		**35-522**
1/4 to 1-1/8	16				**35-523**
3-Piece Quick-Change Step Bit Kit (35-521, 35-522, 35-523)					**35-524**

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.	7-1/2 in.	5 in.	**35-810**
11/16 in.	11/16 in.			**35-811**
3/4 in.	3/4 in.			**35-812**
13/16 in.	13/16 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.	18 in.	15 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.			**35-824**
7/8 in.	7/8 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.	7-1/2 in.	5 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.			**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

RESI-MASTER™ Auger Size	Hole Diameter	Overall Length	Twist Length	Part No.
1/2 in.	1/2 in.	18 in.	15 in.	**35-726**
5/8 in.	5/8 in.			**35-971**
11/16 in.	11/16 in.			**35-727**
3/4 in.	3/4 in.			**35-972**
13/16 in.	13/16 in.			**35-728**
7/8 in.	7/8 in.			**35-976**
15/16 in.	15/16 in.			**35-977**
1 in.	1 in.			**35-978**
1-1/8 in.	1-1/8 in.			**35-979**
1-1/4 in.	1-1/4 in.			**35-729**

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						
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 Metal Cutting						
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/Nails						
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						
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 Purpose						
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 Cutting						
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/Drywall						
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	Bi-metal	Straight	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			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			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

6 TPI	10 TPI	14 TPI	18 TPI	24 TPI	Carbide Grit
← 5/8 TPI →					
	← 8/12 TPI →				
		← 10/14 TPI →			
Fast		CUT SPEED			Slow
Rough		CUT QUALITY			Smooth
Demolition/nail embedded wood					
Wood/nail embedded wood					
	Nail embedded wood/composites plastics/ non-ferrous metals				
		Metals over 1/8 in. thick/angle iron			
			Metal 18 AWG - 1/8 in. conduit/pipe/angle		
				Metal under 18 AWG trim/ tubing	
					Ceramic/abrasives/fiber-glass/metal

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

WIRE MANAGEMENT

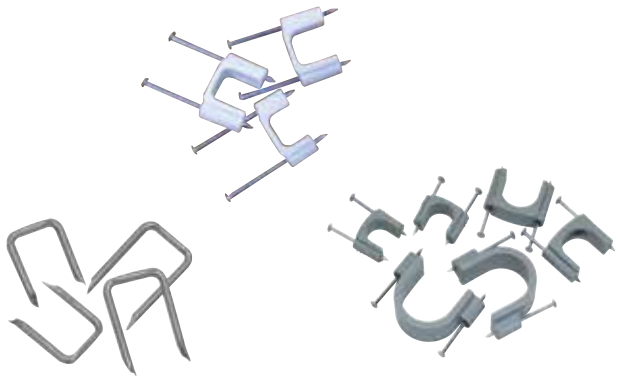
Cable Ties
- Tools
- Identification Ties
- Plenum, Powr-Tie™, Multi-Purpose
- Miniature, Standard, Heavy Duty
- Mounting Pads
- Screw Mounting Bases

Supplies
- Grommets
- Bushings
- Spacer Shims
- Anchor Kits

Staples
- Plastic 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 - MH - C - 0

IT	2	S	MH	CC	O
IT = IDEAL Powr-Tie™ Cable Ties	**Size** Approximate Bundle Diameter for ties	**Tensile Strength** 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.)	**Style** _ = Standard Tie MH = Mounting ID = Identification MB = Mounting Base LPMB = Low Profile Mounting Base MP = Mounting Pad CCL = Cable Clamp	**Qty. Per Package** L = 50 C = 100 D = 500 M = 1000	**Color** _ = Natural 0 = 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

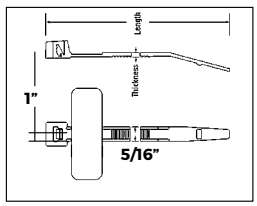
41-990

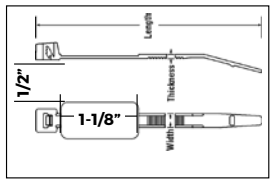
41-995

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 in1.12mm	1/16 - 7/8 in.	18 lbs.	5/16 in. x 1 in.	21	100	**IT1MID-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.		100	**IT2SID-C**

c UL us LISTED

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. 6.35mm	.421 in. 10.69mm	3/8 in.	.050 in. 1.27mm	.203 in. 5.16mm	100	**IT250CCL-C**
Black Nylon						100	**IT250CCL-C0**
Natural Nylon	.375 in. 9.52mm	.500 in. 12.70mm	1/2 in.	.060 in. 1.52mm	.203 in. 5.16mm	100	**IT375CCL2-C**
Black Nylon						100	**IT375CCL2-C0**
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	7.5 in. 190mm	.180 in. 4.57mm	.053 in. 1.34mm	1/16 - 1-7/8 in.	50 lbs.	—	21S	AH-2	100	**IT2S-C35**
Natural Nylon						MS3367-1-9			100	**IT2S-C**
Natural Nylon									1000	**IT2S-M**
UV Black Nylon						MS3367-1-0			100	**IT2S-C0**
UV Black Nylon									1000	**IT2S-M0**
Burgundy Nylon	11.2 in. 285mm	.180 in. 4.57mm	.053 in. 1.34mm	1/16 - 3-1/16 in.	50 lbs.	—			100	**IT3S-C35**
Natural Nylon						MS3367-7-9			100	**IT3S-C**
Natural Nylon									500	**IT3S-D**
UV Black Nylon						MS3367-7-0			100	**IT3S-C0**
UV Black Nylon									500	**IT3S-D0**
Natural Nylon	14.2 in. 361mm	.180 in. 4.57mm	.053 in. 1.34mm	1/16 - 4 in.	50 lbs.	MS3367-2-9			100	**IT4S-C**
Natural Nylon									500	**IT4S-D**
UV Black Nylon						MS3367-2-0			100	**IT4S-C0**
UV Black Nylon									500	**IT4S-D0**

c UL us LISTED

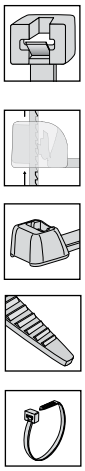
Powr-Tie™ Cable Ties

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

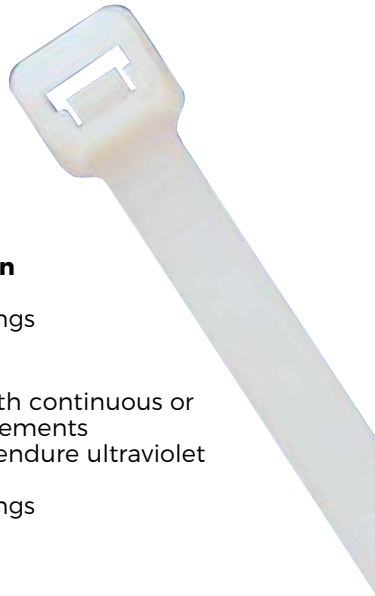
No Burrs or Sharp Edges
- Smooth corners provide added safety
- Rounded edges eliminate insulation damage

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
- **UV Black Nylon 6/6**
  - 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	4.1 in. 104mm	.095 in. 2.41mm	.042 in. 1.06mm	1/16 - 7/8 in.	18 lbs.	MS3367-4-9	21	AH-2	100	**IT1M-C**
Natural Nylon									1000	**IT1M-M**
UV Black Nylon						MS3367-4-0			100	**IT1M-C0**
Natural Nylon	6.1 in. 154mm	.095 in. 2.41mm	.042 in. 1.06mm	1/16 - 1-1/2 in.	18 lbs.	—			100	**IT1_5M-C**
UV Black Nylon									100	**IT1_5M-C0**
Natural Nylon	8.1 in. 207mm	.095 in. 2.41mm	.042 in. 1.06mm	1/16 - 2-3/16 in.	18 lbs.	—			100	**IT2M-C**
Natural Nylon									1000	**IT2M-M**
UV Black Nylon									100	**IT2M-C0**

AH-2 UL Listed for Air Handling Spaces

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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	5.8 in. 148mm	.140 in. 3.55mm	.049 in. 1.24mm	1/16 - 1-7/16 in.	40 lbs.	MS3367-5-9	21	AH-2	100	**IT1_5I-C**
Natural Nylon									1000	**IT1_5I-M**
UV Black Nylon						MS3367-5-0			100	**IT1_5I-C0**
UV Black Nylon									1000	**IT1_5I-M0**
Natural Nylon	8.8 in. 225mm	.140 in. 3.55mm	.049 in. 1.24mm	1/16 - 2-3/8 in.	40 lbs.	MS53367-5-9			100	**IT2I-C**
Natural Nylon									1000	**IT2I-M**
UV Black Nylon						MS53367-5-0			100	**IT2I-C0**
UV Black Nylon									1000	**IT2I-M0**
Natural Nylon	10.9 in. 278mm	.140 in. 3.55mm	.049 in. 1.24mm	1/16 - 3-3/8 in.	40 lbs.	—			100	**IT3I-C**
UV Black Nylon									100	**IT3I-C0**
Natural Nylon	14.2 in. 361mm	.140 in. 3.55mm	.049 in. 1.24mm	1/16 - 4 in.	40 lbs.	—			100	**IT4I-C**
UV Black Nylon									100	**IT4I-C0**

AH-2 UL Listed for Air Handling Spaces

c UL us LISTED

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	7.5 in. 190mm	.180 in. 4.57mm	.053 in. 1.34mm	1/16 - 1-7/8 in.	50 lbs.	MS3367-1-9	21S	AH-2	100	**IT2S-C**
Natural Nylon									1000	**IT2S-M**
UV Black Nylon						MS3367-1-0			100	**IT2S-C0**
UV Black Nylon									1000	**IT2S-M0**
Natural Nylon	11.2 in. 285mm	.180 in. 4.57mm	.053 in. 1.34mm	1/16 - 3-1/16 in.	50 lbs.	MS3367-7-9			100	**IT3S-C**
Natural Nylon									500	**IT3S-D**
UV Black Nylon						MS3367-7-0			100	**IT3S-C0**
UV Black Nylon									500	**IT3S-D0**
Natural Nylon	14.2 in. 361mm	.180 in. 4.57mm	.053 in. 1.34mm	1/16 - 4 in.	50 lbs.	MS3367-2-9			100	**IT4S-C**
Natural Nylon									500	**IT4S-D**
UV Black Nylon						MS3367-2-0			100	**IT4S-C0**
UV Black Nylon									500	**IT4S-D0**
Natural Nylon	17.0 in. 434mm	.180 in. 4.74mm	.053 in. 1.34mm	1/16 - 4-1/2 in.	50 lbs.	—	21	AH-1	100	**IT5S-C**
UV Black Nylon									100	**IT5S-C0**

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.

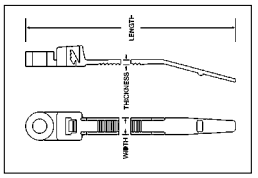
Light Heavy-Duty, Heavy-Duty and Extra Heavy-Duty Natural, UV Black Cable Ties

Description	Length	Width	Thickness	Max. Bundle	Tensile Strength	Mil-Spec Reference	UL/CSA Type	Plenum Approval	Qty./ Bag	Part No.
Natural Nylon	8.7 220.9mm	.300 in. 7.62mm	.076 in. 1.93mm	3/16-1/16 in.	120 lbs.	—	21S	AH-2	100	**IT2LH-C**
UV Black Nylon									100	**IT2LH-C0**
Natural Nylon	15.1 in. 383mm	.300 in. 7.62mm	.076 in. 1.93mm	3/16-4-1/16 in.	120 lbs.	MS3367-3-9			50	**IT4LH-L**
UV Black Nylon						MS3367-3-0			50	**IT4LH-L0**
Natural Nylon	18.2 in. 465mm	.300 in. 7.67mm	.083 in. 2.1mm	3/16-5 in.	120 lbs.	—			50	**IT5LH-L**
UV Black Nylon									50	**IT5LH-L0**
Natural Nylon	24.5 in. 622mm	.300 in. 7.67mm	.083 in. 2.1mm	3/16-7 in.	120 lbs.	—			50	**IT7LH-L**
UV Black Nylon									50	**IT7LH-L0**
Natural Nylon	25.5 in. 641mm	.340 in. 8.63mm	.090 in. 2.29mm	1-1/2-7-3/16 in.	175 lbs.	MS3367-10-9	21	AH-2	50	**IT7H-L**
UV Black Nylon						MS3367-10-0			50	**IT7H-L0**
Natural Nylon	37.2 in. 946mm	.340 in. 8.63mm	.090 in. 2.29mm	1-1/2-11 in.	175 lbs.	MS3367-13-9			50	**IT11H-L**
UV Black Nylon						MS3367-13-0			50	**IT11H-L0**
Natural Nylon	48.5 in. 1231mm	.340 in. 8.63mm	.090 in. 2.29mm	1-1/2-14-1/2 in.	175 lbs.	MS3367-16-9			50	**IT14H-L**
UV Black Nylon						MS3367-16-0			50	**IT14H-L0**
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. 152mm	.138 in. 3.50mm	.045 in. 1.14mm	1/16 - 1-1/4 in.	40 lbs.	No. 8	11	AH-2	100	**IT1_5IMH-C**
UV Black Nylon									100	**IT1_5IMH-C0**
Natural Nylon	8.1 in. 206mm	.177 in. 4.49mm	.052 in. 1.32mm	1/16 - 1-3/4 in.	50 lbs.	No. 10			100	**IT2SMH-C**
Natural Nylon									1000	**IT2SMH-M**
UV Black Nylon									100	**IT2SMH-C0**
Natural Nylon	11.8 in. 363mm	.177 in. 4.49mm	.053 in. 1.34mm	1/16 - 3 in.	50 lbs.	No. 10			100	**IT3SMH-C**
UV Black Nylon									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. 398mm	.248 in. 7.56mm	.075 in. 1.90mm	3/16 - 4-1/16 in.	120 lbs.	1/4 in.	21		100	**IT4LHMH-C**
UV Black Nylon									100	**IT4LHMH-C0**

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.

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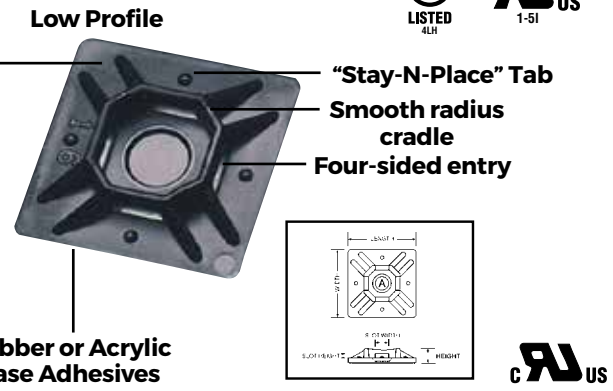
Mounting Pads

- 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



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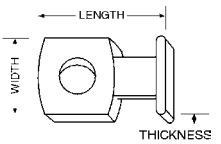
Description	Width	Height	Slot Height	Slot Width	Screw Size	UL/CSA Type	Qty./Bag	Part No.
Natural Nylon	.74 in. 19mm	.19 in. 4.8mm	.05 in. 1.2mm	.20 in. 5.1mm	No. 4	11	100	**IT750MP-C**
UV Black Nylon							100	**IT750MP-C0**
Natural Nylon	.99 in. 25mm	.20 in. 5.0mm	.06 in. 1.5mm	.20 in. 5.1mm	No. 6		100	**IT1000MP-C**
UV Black Nylon							100	**IT1000MP-C0**

Screw Mounting Bases — Low Profile

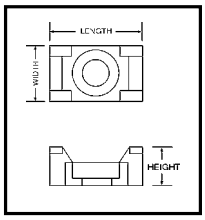
- Perfect for confined space, control panels or other areas where space is limited



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	**IT1LPMB-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. 15mm	.380 in. 9.60mm	.270 in. 6.86mm	.062 in. 1.59mm	.200 in. 5.05mm	No. 6	21	AH-2	100	**IT1SMB-C**
UV Black Nylon									100	**IT1SMB-C0**
Natural Nylon	.90 in. 22mm	.630 in. 16.00mm	.380 in. 9.65mm	.125 in. 3.18mm	.350 in. 8.89mm	1/4 in.			100	**IT2SMB-C**
UV Black Nylon									100	**IT2SMB-C0**

Multi-Purpose Cable Ties

- General purpose cable tie for building and cable management
- UL recognized and Plenum rated

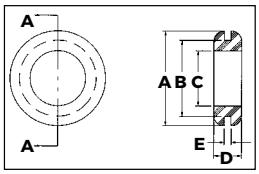
CONSTRUCTION PRODUCTS BUCHANAN

Size		Thickness x Width	Color	Tensile Strength (lbs.)	UL/CSA Type	Plenum Approval	Qty.	Part No.
Miniature	4 in.	.042 x .095	Natural	18	21	AH-2	100	**B-4-18-9-C**
			UL Black				100	**B-4-18-0-C**
Intermediate	6 in.	.049 x .140	Natural	40			100	**B-6-40-9-C**
			Natural				1,000	**B-6-40-9-M**
			UV Black				100	**B-6-40-0-C**
	8 in.	.053 x .180	Burgundy	50	21S		100	**B-8-50-35-C**
	11 in.						100	**B-11-50-35-C**
Standard	8 in.	.053 x .180	Natural	50			100	**B-8-50-9-C**
			Natural				1,000	**B-8-50-9-M**
			UV Black				100	**B-8-50-0-C**
			UV Black				1,000	**B-8-50-0-M**
	11 in.		Natural				100	**B-11-50-9-C**
			Natural				500	**B-11-50-9-D**
			UV Black				100	**B-11-50-0-C**
			UV Black				500	**B-11-50-0-D**
	14 in.		Natural				100	**B-14-50-9-C**
			Natural				500	**B-14-50-9-D**
			UV Black				100	**B-14-50-0-C**
			UV Black				500	**B-14-50-0-D**
Heavy-Duty	14 in.	.076 x .300	Natural	120			100	**B-14-120-9-C**
			UV Black				50	**B-14-120-0-L**
	24 in.		Natural	175	21		50	**B-24-175-9-L**
			UV Black				50	**B-24-175-0-L**
	36 in.		Natural				50	**B-36-175-9-L**
	48 in.		Natural				50	**B-48-175-9-L**
Mounting Ties	8 in.	.052 x .177	Natural	50	21		100	**B-8-50MT-9-C**
			UV Black				100	**B-8-50MT-0-C**
	14 in.	.053 x .178	Natural				100	**B-14-50MT-9-C**
Mounting Pads	3/4 in. x 3/4 in.	.189 Max. Tie Width	Natural	9	11	—	100	**BMP-750-9-C**
	1 in. x 1 in.	.142 Max Tie Width	Natural	11	11	—	100	**BMP-1000-9-C**

Grommets

BUCHANAN CONSTRUCTION PRODUCTS

- 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	B	C	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**

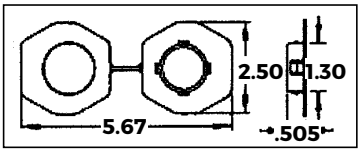
Spacer Shims

- 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



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**
	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.
1/2 in. Insulated Staple	50/Bag	**BPS2-50**
	100/Bag	**BPS2-1**
	225/Jar	**BPS2-JRL**
	400/Jar	**BPS2B-JR**
	500/Bag	**BPS2-5**
	5,000/Bucket	**BPS2-5M**
3/4 in. Insulated Staple	100/Bag	**BPS3-1**
	200/Jar	**BPS3-JRL**
	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

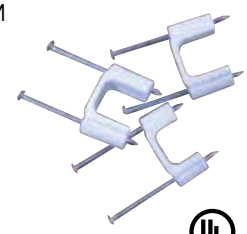
Description	Quantity	Part No.
1/2 in. x 1 in. Carbon Steel Staples	100/Box	**BCS1-1**
	500/Jar	**BCS1-JR**
	500/Box	**BCS1-5**
	5,000/Bucket	**BCS1-5M**
9/16 in. x 1-1/4 in. Carbon Steel Staples	100/Box	**BCS2-1**
	400/Jar	**BCS2-JR**
	500/Box	**BCS2-5**
	5,000/Bucket	**BCS2-5M**

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

Description	Quantity	Part No.
Cable Stacker	15	**BPSTCKR-15**

Plastic Insulated Cable Stacker



- 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/Bag	**BSER6-50**
#6 & #8 SEU Plastic Insulated Service Entrance Strap		**BSEU6-50**
#2 SER & 3/4 in. EMT Plastic Insulated Service Entrance Strap	25/Bag	**BSER2-25**
#2 SEU Plastic Insulated Service Entrance Strap		**BSEU2-25**
4/0 SER Plastic Insulated Service Entrance Strap	5/Bag	**BSER4/0-5**
4/0 SEU Plastic Insulated Service Entrance Strap		**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/Box	**BMSE150-1**
1-1/2 in. x 1-1/6 in.		**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, 0-15, +, –, /	10 Markers each	**775102**	**44-102**
1-45		**775103**	–
1-48		–	**44-103**
46-90		**775104**	**44-104**
1, 2, 3	150 Markers each	–	**44-105**
A, B, C		–	**44-106**
A-Z	45 Markers each	–	**44-148****
T1, T2, T3	150 Markers each	–	**44-107**
L1, L2, L3		–	**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.
*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.

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
- Flip top for easy access and refill
- 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

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

Marker Size* (In.)	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.

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**

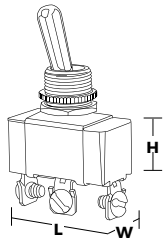
Load Center

- 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

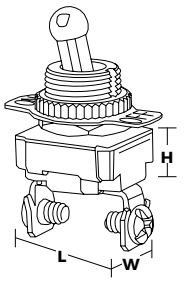
- Great for power tool and motor control switch applications
- Rugged long-wearing solid brass/nickel-plated bushings
- 1/2 in. diameter mounting hole
- Dielectric Strength: 1500V
- Mechanical Life: 100,000 cycles
- Operating Temperature: 32˚F to 185˚F (0˚C to 85˚C)



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

( ) denotes momentary action †Bulk Package of 100 Note: All spade terminals are 1/4" (.250).

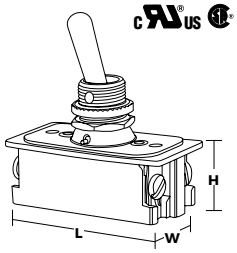
Medium & Light-Duty Toggle Switches



- 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 with On-Off Faceplate	SPST	On-Off	Screw	2	6 Amps 120 VAC, 3 Amps 240 VAC	.69 × .55 × .34	**774017**
			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

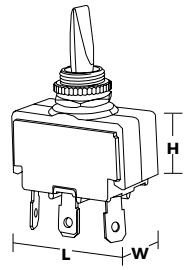
Product	Description	Poles	Circuitry	Termination Style	No. of Terminals	Rating			Dimensions (L" x W" x H")	Part No.
						Amps 125 VAC	Amps 227 VAC	HP 125-250 VAC		
	Heavy-Duty Toggle Switch	DPST	On-Off	Screw	4	16	8	1	1.75 x .84 x .76	**774096**
						20	10	1-1/2	2.09 x 1.00 x .90	**774097**

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**

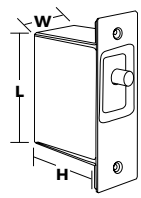
Double Insulated Plastic Toggle Switches



- 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

Product	Description	Poles	Circuitry	Termination Style	No. of Terminals	Rating		Dimensions (L" x W" x H")	Part No.
						Amps 125 VAC	Amps 250 VAC		
	Double Insulated, Plastic Toggle Switch	SPST	On-Off	Screw	2	20	10	1.37 × .76 × .94	**774019**

Door Switch

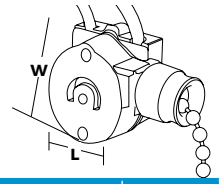


- Standard slide switch fits 9/16 in. x 7/8 in. opening
- Door switches are great for closets, turning the light on when the door is open and off when it is closed
- Door switch kit comes with metal box, cover plate and mounting hardware

Product	Description	Color	Poles	Circuitry	Termination Style	Ratings	Dimensions (L" x W" x H")	Part No.
	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

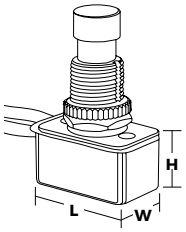


- Use for ceiling fixtures, lamps and fans
- Wire leads are #18 AWG, 6 in. stripped wire
- Push in connectors for #18 AWG wire
- 13/32 in. diameter mounting hole

Product	Description	Pull-Chain Color	Poles	Circuitry	Termination Type	Circuit	Rating			Dimensions (L" x W" x H")	Part No.
							Amps 125 VAC	Amps 250 VAC	Amps 125 V		
	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**
	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



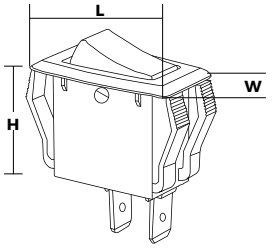
- Great for household appliances, lamps and motor controls
- Available in normally open, normally closed and standard On-Off circuitry
- Wire leads are #18 AWG, 6 in. stripped wire
- 1/2 in. diameter mounting hole

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

** cULus cCSAus

Appliance Rocker Switches



- Great for home appliances, computer equipment, automotive and industrial controls
- 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)

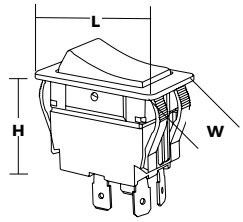
Product	Description	Rocker	Poles	Circuitry	Termination Style	No. of Terminals	Ratings	Dimensions (L" x W" x H")	Part No.
	Appliance Rocker Switch	Black	SPST	On-Off	Spade	2	16 Amp 1/3 HP 125 VAC, 10 Amp 1/2 HP 250 VAC	1.24 x .68 x .77	**774038**
	Appliance Rocker Switch	Red Lighted	SPST	On-Off	Spade	3*	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

cULus

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)



Product	Description	Poles	Circuitry	Termination Style	No. of Terminals	Rating			Dimensions (L" x W" x H")	Part No.
						Amps 125 VAC	Amps 227 VAC	HP 110-250 VAC		
	Black Rocker Switch	SPST	On-Off	Spade	2	20	15	2	1.70 x .97 x 1.09	**774045**
	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

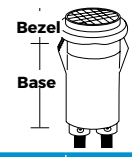
***

Indicator Light Part No. System

Series	Voltage	Color	Mounting Diameter Lens Style	Terminators
77	5 - 14V	1 - Red	1 - 1/2 in. Raised	1 - 6 in. Wire Leads
	6 - 28V	2 - Green	2 - 1/2 in. Flush	2 - .187 in. Spade
	7 - 125V	3 - Amber	3 - 5/16 in. Flush	—

Flush Indicator Lights

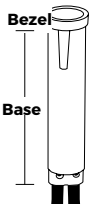
- Nylon body with flush transparent polycarbonate lens and stainless steel bezel, 94V-2 flammability rating
- 6 in. wire leads, 1/2 in. mounting diameter
- Lamp voltage is AC/DC
- Operating Temperature: Nylon Body: 140˚C
  Polycarbonate lens: 135˚C
  Low Temperature: -40˚



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**
	Flush Indicator Light	Amber	125V	1/3	2mA Max.	25,000	Neon	6" Wire Leads	.91 x .10	**777321**

*VDE Certified

Miniature Indicator Lights

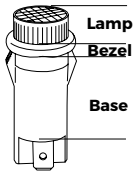


- Nylon body with flush transparent polycarbonate lens
- 6 in. wire leads
- 5/16 in. mounting diameter
- Lamp voltage is AC/DC

Product	Description	Lens Color	Lamp Voltage	Watts	Amp Rating	Average Life (hrs.)	Lamp Type	Termination Style	Height (Base" x Bezel")	Part No.
	Miniature Indicator Light	Red	125V	1/3	2mA Max.	25,000	Neon	6 in. Wire Leads	1.43 × .13	**777131**
		Green	125V	1/3	2mA Max.	15,000	Neon	6 in. Wire Leads	1.43 × .13	**777231**
		Amber	125V	1/3	2mA Max.	25,000	Neon	6 in. Wire Leads	1.43 × .13	**777331**
										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.
	Raised Indicator Light	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***
		Amber	28V	1.2	.04	25,000	Incandescent	6" Wire Leads	.91 x .10 x .20	**776311***
		Red	125V	1/3	2mA Max.	25,000	Neon	6" Wire Leads	.91 x .10 x .20	**777111***
		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***
		Green	250V	1/2	2mA Max.	15,000	Neon	6" Wire Leads	.91 x .10 x .20	**778211***
	Raised Indicator Light	Red	125V	1/3	2mA Max.	25,000	Neon	.187" Spade	1.09 x .10 x .20	**777112**
										777112BK†
		Green	125V	1/3	2mA Max.	15,000	Neon	.187" Spade	1.09 x .10 x .20	**777212**
										777212BK†

*VDE certified †Bulk Package of 100

HEAT SHRINK

- Easy to install underground splice kits to help save time and money
- Protects cable during storage with watertight seal provided by IDEAL End Caps

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

E123896

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

E163183*

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

E5238

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

Description	Part No.
Thermo-Shrink® Heat Shrink Kit	46-007
Kit Includes:	**Part No.**
HEAT ELITE PRO™ Heat Gun	46-203
3/64 in. Heat Shrinkable Tubing (4 ft. disk)	46-600
1/16 in. Heat Shrinkable Tubing (4 ft. disk)	46-601
3/32 in. Heat Shrinkable Tubing (4 ft. disk)	46-602
1/8 in. Heat Shrinkable Tubing (4 ft. disk)	46-603
3/16 in. Heat Shrinkable Tubing (4 ft. disk)	46-604
1/4 in. Heat Shrinkable Tubing (4 ft. disk)	46-605
5/16 in. Heat Shrinkable Tubing (4 ft. disk)	46-606
3/8 in. Heat Shrinkable Tubing (4 ft. disk)	46-607
1/2 in. Heat Shrinkable Tubing (4 ft. disk)	46-608
3/4 in. Heat Shrinkable Tubing (4 ft. disk)	46-609
1 in. Heat Shrinkable Tubing (4 ft. disk)	46-610
Small Deflector, 1-1/4 in. diameter	46-941
Premium T®-Cutter Wire Cutter	45-123

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

E236137 242540

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	4 ft. (Disk)	**46-600**
1/16	.063/1.6	0.031"/0.8mm	0.014"/0.36mm	16		**46-601**
3/32	.094/2.4	0.047"/1.2mm	0.017"/0.44mm	14-12		**46-602**
1/8	.126/3.2	0.063"/1.6mm	0.017"/0.44mm	24-20	6 in. (Bag)	**46-310**
					4 ft. (Disk)	**46-603**
3/16	.189/4.8	0.094"/2.4mm	0.020"/0.56mm	20-14	6 in. (Bag)	**46-313**
					4 ft. (Disk)	**46-604**
1/4	.251/6.4	0.126"/3.2mm	0.022"/0.56mm	14-8	6 in. (Bag)	**46-316**
					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**
3/8	.374/9.5	0.185"/4.7mm	0.022"/0.56mm	8-4	6 in. (Bag)	**46-319**
					4 ft. (Disk)	**46-607**
					200 ft. (Spool)	**46-321**
1/2	.5/12.7	0.252"/6.4mm	0.026"/0.65mm	4-1	6 in. (Bag)	**46-322**
					4 ft. (Disk)	**46-608**
					200 ft. (Spool)	**46-324**
3/4	.751/19.1	0.374"/9.5mm	0.027"/0.80mm	2-250 MCM	6 in. (Bag)	**46-325**
					4 ft. (Disk)	**46-609**
					200 ft. (Spool)	**46-327**
1	1/25.4	0.500"/12.7mm	0.031"/0.90mm	2/0-500 MCM	6 in. (Bag)	**46-328**
					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)	UL 224	No cracking
Cold bend test (-55˚C/4 hours)		No cracking
Dielectric strength	ASTM D 150	20KV/mm
Volume resistance	ASTM D 876	1014Ωcm
Copper corrosion	UL 224	Pass
Chemical resistance		Pass
Longitudinal shrinkage		0±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.
TS-46-400	.400	.130	.070	12-8 AWG	6	**46-343**
					9	**46-344**
					48	**46-346**
TS-46-750	.750	.220	.090	6-2/0 AWG	6	**46-347**
					9	**46-348**
					48	**46-350**
TS-46-1100	1.100	.350	.120	1/0-3/0 AWG	6	**46-351**
					9	**46-352**
					48	**46-354**
TS-46-1500	1.500	.470	.160	2/0 AWG-350 KCMIL	9	**46-356**
					12	**46-357**
					48	**46-358**
TS-46-2000	2.000	.630	.160	250-500 KCMIL	9	**46-369**
					18	**46-371**
					48	**46-372**

*Reference only. Consult the wire manufacturer's catalog for specific O.D. of wire and insulation.

LISTED

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 adhesive
- UV resistant

Expanded I.D. (Min.)	Recovered I.D. (Max.)	Recovered Wall Thickness +/-10%	Cable Dia. Range*	Length	Part No.
0.55"/14mm	0.18"/4.5mm	0.079"/2.0mm	0.20"/5mm - 0.47"/12mm	1.77"/ 45mm	**46-381**
0.98"/25mm	0.31"/8mm	0.091"/2.3mm	0.39"/10mm - 0.71"/18mm	2.76"/ 70mm	**46-382**
1.38"/35mm	0.59"/15mm	0.118"/3.0mm	0.67"/17mm - 1.18"/30mm	3.35"/ 85mm	**46-383**
2.95"/75mm	1.38"/35mm	0.138"/3.5mm	1.77"/45mm - 2.76"/70mm	5.12"/ 130mm	**46-384**

*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 non-slip 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
- Infinite temperature adjustment

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**

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 keyed-alike 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.

**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.

Master Lock® is a registered trademark of Master Lock Company LLC.

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 box
- 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

Description	Part No.
Group Lock Box	**44-804**

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.

**Keyed alike and master keyed padlocks can be special ordered by contacting IDEAL Customer Service.

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.

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
- 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

- 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.
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

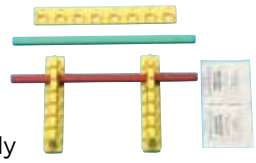
Description	Quantity	Part No.
Large Breaker Lockout	1	**44-823**

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 place
- 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 toggles
- 44-957 fits standard height and tie-bar toggles
- The narrow profile permits side-by-side breaker lockout

Description	Part No.
Circuit Breaker Lockout	**44-956**
	44-957

Plug Lockouts

44-819

- Accommodates a variety of electrical plug and cord sizes to prevent accidental connection or disconnection
- 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

44-764 Clamp-on

44-768 Snap-on

- 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
  - 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	1	**44-764**
Snap-on lockout for Square D NQO and other breakers with a hole in the switch tongue		**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

Description	Part No.
Electric Plug Lockout	**44-782**

Wall Switch Lockouts

44-772

44-789

- Universal Wall Switch Lockout locks out both toggle and Decora® wall switches
- Universal design assures switch is locked on or off. Hinges open for unobstructed normal switch operation
- Standard wall switch lockout fits most wall-mounted single or three-way electrical switches

Description	Quantity	Part No.
Universal Wall Switch	1	**44-772**
Standard Wall Switch		**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

44-847

- Best available method for locking out ball valves
- Patented design fits most major brand ball valves
- Designed to lock in off position only
- Complies with OSHA lockout standard

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 (not shown)	9/32 in.	Nylon	**44-820**
1-1/4 to 3 (not shown)		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 locks
- 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

44-824 **44-825** **44-817**

- 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 locks
- 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.	1	**44-824**
2 in. to 5 in.		**44-825**
Set of five sizes (1 in. to 13 in.)		**44-817**

Steel Padlocks

- Rustproofed, steel case with nickel-plated 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

44-801

- Rustproofed, plated and vinyl-coated
- Labeled hasps feature anodized aluminum alloy construction for long-term durability

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

44-790

- 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

44-830

44-832

44-833

- 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	Type	Qty.	Part No.
Heavy-Duty Lockout Tag – Do Not Operate	Heavy-Duty Laminated	5/card	**44-830**
		100/box	**44-1830**
	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 Lockout Tag – Do Not Operate - (red striped background)	Heavy-Duty Laminated	5/card	**44-833**
		100/box	**44-1833**
	Economy Vinyl	25/bag	**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

44-894

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	Type	Size	Qty.	Part No.
NEC Arc Flash, Warning	Self-Sticking Polyester	3-1/2 in. x 5 in.	5	**44-892**
NEC Arc Flash, Warning			100	**44-892BK**
NEC Arc Flash, Warning		5 in. x 7 in.	5	**44-893**
NEC Arc Flash, Warning			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 polyester	3-1/2 x 10	**44-877**
Lockout Sign – OSHA Regulation (Bilingual) 36 in. clearance		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.
Safety Sign – Danger–High Voltage	Fiberglass	10 x 14	**44-862**
	Self-Sticking Polyester	7 x 10	**44-863**
Safety Sign – Danger–High Voltage–Keep Out	Fiberglass	10 x 14	**44-880**
	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

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

42-252

- 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	Red	3 in. x 1,000 ft.	**42-201**
Detectable Underground Tape – Caution Buried Electric Line Below		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

42-102

42-103

42-104

42-151

- 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	3 in. x 1,000 ft.	**42-101**
Non-Detectable Underground Tape – Caution Buried Electric Line Below	Yellow		**42-102**
Non-Detectable Underground Tape – Caution Buried Telephone Line Below	Orange		**42-103**
Non-Detectable Underground Tape – Caution Buried Fiber Optic Line Below			**42-104**
Non-Detectable Underground Tape – Caution Buried Electric Line Below	Red	6 in. x 1,000 ft.	**42-151**
Non-Detectable Underground Tape – Caution Buried Electric Line Below	Yellow		**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	Yellow	3 in. x 1,000 ft.	4.0 Mils	**42-001**
Barricade Tape – Caution Do Not Enter				**42-002**
Barricade Tape – Caution High Voltage				**42-003**
Barricade Tape – Danger High Voltage	Red			**42-051**
Barricade Tape – Danger High Voltage Keep Out				**42-052**
Barricade Tape – Caution Do Not Enter	Yellow		2.0 Mils	**42-012**

Specifications:		
Property	**Method**	**Value**
Elongation	ASTMD882-75B	≥ 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.

Description	Part No.
Master Lock® Python™ Kit with 6 ft. Cable-keyed different	**44-990**

Master Lock® is a registered trademark of Master Lock Company LLC.
Python™ is a trademark of Master Lock Company LLC.

LOCKOUT/TAGOUT CROSS REFERENCE CHART

				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
Airpax		Airpax	1		■	■						
American Switch		C	1		■						■	■
Bryant		BR	1	■	■							■
Challenger		C	1	■	■							■
Challenger	Type C	C	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		CH	2-3							■		■
Cutler Hammer		CH2	4							■		■
Cutler Hammer		CHB	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	CH	CH	1	■	■						■	■
Cutler Hammer	CH	CH	2-3							■		■
Cutler Hammer	CH	CH2	4							■		■
Cutler Hammer	CH	CHB	1	■	■						■	■
Cutler Hammer	CH	CHB	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	CH	CHP	1							■		■
Cutler Hammer	CH	CHP	2-3	■	■						■	■
Cutler Hammer	CH	CHQ	1							■		■
Cutler Hammer	CH	CHQ	2							■		■
Cutler Hammer	CH	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	CH	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			■							■

LOCKOUT/TAGOUT CROSS REFERENCE CHART

				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
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						■			
Cutler Hammer	L-Frame	LDC	2-4						■			
Cutler Hammer		LH	3				■					
Cutler Hammer		LHB	3				■					
Cutler Hammer	Type CC	LJ										■
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	M-Frame	MDS	2-3						■			
Cutler Hammer	Tri Pac Cur. Lim	NB	2-3						■			
Cutler Hammer	N-Frame	ND	2-4				■	■				
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	Quicklag	QBGFEP	2									■
Cutler Hammer	Quicklag	QBHGF	1		■							
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	Quicklag Type P	QCD	2-3							■		■
Cutler Hammer	Quicklag	QCGF	1		■							
Cutler Hammer	Quicklag	QCGFEP	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	■	■							■
Cutler Hammer	Quicklag	QHCW	2-3							■		■
Cutler Hammer	Quicklag	QHCX	1	■	■							■
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	1		■							
Cutler Hammer		QPGF	2									■
Cutler Hammer	Ground Fault	QPGFEP	1		■							
Cutler Hammer		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.		NA-single	3				■	■				■
Fed. Pacific Elec.		NA-tie bar	2									■
Fed. Pacific Elec.		NB	1		■	■						■

LOCKOUT/TAGOUT CROSS REFERENCE CHART

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Fed. Pacific Elec.		NBH GFI	1		■							■
Fed. Pacific Elec.		NE/NEF			■	■						
Fed. Pacific Elec.		NEJ			■	■						
Fed. Pacific Elec.		NFJ			■							
Fed. Pacific Elec.		NJJ					■					
Fed. Pacific Elec.		NJL					■					
Fed. Pacific Elec.		NM					■					
Fed. Pacific Elec.		NP-single	1		■							■
Frank Adams	FA Quicklag	P	1		■							■
General Electric	Type C	HQC	3		■							■
General Electric	SE150	SED	2-3		■							■
General Electric	SE150	SEH	2-3		■							■
General Electric	SE150	SEL	2-3		■							■
General Electric	SE150	SEP	2-3		■							■
General Electric	SF250	SFH	2-3		■							■
General Electric	SF250	SFL	2-3		■							■
General Electric	SF250	SFP	2-3		■							■
General Electric	Tri Break	TB1			■	■						■
General Electric	Tri Break	TB4			■	■						■
General Electric	Tri Break	TB6			■	■						■
General Electric	Tri Break	TB8			■	■						■
General Electric	Mag Break	TBC4			■	■						■
General Electric	Mag Break	TBC6			■	■						■
General Electric	Mag Break	TBC8			■	■						■
General Electric	E150	TE	1-3		■	■						■
General Electric	E150	TEB	1-3		■	■						■
General Electric	E150	TED	1-3		■	■						■
General Electric		TEF	1-3		■	■						■
General Electric	E150	TEL	3		■	■						■
General Electric	Mag Break	TEML	3		■	■						■
General Electric	E150	TEY	1-3		■							■
General Electric	E150	TF	1-3		■							■
General Electric	Mag Break	TFC	3		■							■
General Electric	F225	TFJ	2-3				■					
General Electric	F225	TFK	2-3				■					
General Electric	F225	TFL	3				■					
General Electric	Like TED	THED	1-3		■	■						■
General Electric	Like TED	THEF			■	■						■
General Electric	F225	THFK	2-3				■					
General Electric	Q Line	THHQB	2-3							■		■
General Electric	Q Line	THHQB-A	1	■	■							■
General Electric	Q Line	THHQB-S	1		■							■
General Electric	Q Line	THHQC	1-3							■		■
General Electric	Q Line	THHQC-A	1	■								■
General Electric	Q Line	THHQC-S	1		■							■
General Electric	Q Line	THHQL	2-3							■		■
General Electric	Q Line	THHQL-A	1	■	■							■
General Electric	Q Line	THHQL-S	1		■							■
General Electric	J600	THJK4	2-3				■	■				
General Electric	J600	THJK6	2-3				■	■				
General Electric	K1200	THKM12	2-3						■			
General Electric	K1200	THKM8	2-3						■			
General Electric	THLC Current Limiting	THLC1	3		■							
General Electric	Q Line	THQB	2-3							■		■
General Electric	Q Line	THQB-A	1	■	■							■
General Electric	Q Line	THQB-S	1		■							■
General Electric	Q Line	THQC	2-3							■		■
General Electric	Q Line	THQC-A	1	■	■							■
General Electric	Q Line	THQC-AL	2-3							■		■
General Electric	Q Line	THQC-S	1		■							■
General Electric	Q Line	THQD	2-3		■		■					■
General Electric	Q Line	THQDBL	3									■
General Electric	Q Line	THQL	2-3							■		■

LOCKOUT/TAGOUT CROSS REFERENCE CHART

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				Standard Breaker Lockouts								EZ Panel Loc™	
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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	TJK636F000	TJK6	2-3				■	■				
General Electric	TJS3604S	TJS					■	■				
General Electric	MicroVersaTrip	TK4V	3				■					
General Electric	Mag Break	TKC	3		■	■						■
General Electric	TKM4365000	TKM4							■			
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		BL	2-3							■		■
Siemens ITE		BLF-GFI	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		CFD6	2-3				■	■				
Siemens ITE		CFD6-ETI	2-3				■	■				
Siemens ITE		CJ3					■					
Siemens ITE		CJD6	2-3				■					
Siemens ITE		CJD6-ETI	2-3				■					
Siemens ITE		CLF	2				■	■				
Siemens ITE		CMD6	3						■			
Siemens ITE		CMD6-ETI	3						■			
Siemens ITE		CND6	3						■			
Siemens ITE		CPD6	3						■			
Siemens ITE		CQD	1-3		■	■						■
Siemens ITE		E2			■							■
Siemens ITE		E4	1		■							■
Siemens ITE		ED2	1-3		■							■
Siemens ITE		ED4	1-3		■							■
Siemens ITE		ED6	1-3		■							■
Siemens ITE		ED6-ETI	3		■							■
Siemens ITE		EE3			■	■						■
Siemens ITE		EH3			■	■						■
Siemens ITE		EQP	4							■		■
Siemens ITE		EQT QF										
Siemens ITE	F-Frame	ET			■	■						■
Siemens ITE		FD6A	2-3			■	■	■				

LOCKOUT/TAGOUT CROSS REFERENCE CHART

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Siemens ITE		FJ2-B	2-3		■	■	■	■				
Siemens ITE		FJ3	2				■					
Siemens ITE		FJ6	2				■	■				
Siemens ITE		FXD6A	2-3				■	■				
Siemens ITE		FXD6-ETI	2-3				■	■				
Siemens ITE		GF	1		■							■
Siemens ITE		HBL	1	■	■							■
Siemens ITE		HBL	2-3							■		■
Siemens ITE		HBQ	1	■	■							■
Siemens ITE		HBQ	2-3							■		■
Siemens ITE		HE4			■							■
Siemens ITE		HED4	1-3		■							■
Siemens ITE		HED6	2-3		■							■
Siemens ITE		HFD6	2-3				■	■				
Siemens ITE		HFXD6	2-3				■	■				
Siemens ITE		HHED6	2-3		■							■
Siemens ITE		HHFD6	2-3				■	■				
Siemens ITE		HHJD6	2-3				■					
Siemens ITE		HHJXD6	2-3				■					
Siemens ITE		HJD6	2-3				■					
Siemens ITE		HJD6-A	2-3				■					
Siemens ITE		HJXD6	2-3				■					
Siemens ITE		HJXD6-A	2-3				■					
Siemens ITE		HMD6	2-3						■			
Siemens ITE		HMXD6	2-3						■			
Siemens ITE		HND6	2-3						■			
Siemens ITE		HNXD6	2-3						■			
Siemens ITE		HPD6	3						■			
Siemens ITE		HPXD6	3						■			
Siemens ITE		HQJ2-H	3		■							■
Siemens ITE		HQP	1	■	■							■
Siemens ITE		HQP	2-3							■		■
Siemens ITE		HQPP	1	■	■							■
Siemens ITE		HQPP	2-3							■		■
Siemens ITE		HQPPH	2							■		■
Siemens ITE		HRD6	3						■			
Siemens ITE		HRXD6	3						■			
Siemens ITE		JD6-A	2-3				■					
Siemens ITE		JJ3					■					
Siemens ITE		JL3	3				■					
Siemens ITE		JXD2-A	2-3				■					
Siemens ITE		JXD6-A	2-3				■					
Siemens ITE		LL3					■					
Siemens ITE		MD6	2-3						■			
Siemens ITE		MXD6	2-3						■			
Siemens ITE		MXD6-ETI	2-3						■			
Siemens ITE		ND6	2-3						■			
Siemens ITE		NXD6	2-3						■			
Siemens ITE		PD6	3						■			
Siemens ITE		PXD6	3						■			
Siemens ITE		QJ2	2-3		■	■						■
Siemens ITE		QJ2-H	2-3		■	■						■
Siemens ITE		QJH2	2-3		■	■						■
Siemens ITE		QP	1	■	■							■
Siemens ITE		QP	2-3							■		■
Siemens ITE		QP1	1		■							■
Siemens ITE		QPH	1	■	■							■
Siemens ITE		QPH	4							■		■
Siemens ITE		QPH	2-3							■		■
Siemens ITE		QPP	1	■	■							■
Siemens ITE		QPP	2-3							■		■
Siemens ITE		QPPH	1	■	■							■
Siemens ITE		QPPH	2-3							■		■
Siemens ITE		RD6	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.	SHMD6	3						■			
Siemens ITE	Solid State Trip Ckt. Bkr.	SHND6	3						■			
Siemens ITE	Solid State Trip Ckt. Bkr.	SMD6	3						■			

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				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		NX	3									
Square D		EDB	1-3									
Square D		EGB	1-3									
Square D		EH4	1-3									
Square D		EHB	1-3									
Square D		EHB	2-3									
Square D		EJB	1-3									
Square D		EZ	3									
Square D	100 Amp Frame	FA	1-3									
Square D	100 Amp Frame	FAL	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	100 Amp Frame	FHL	1-3									
Square D	100 Amp Frame	FHL-DC	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	250 Amp Frame	KA	2-3									
Square D		KAL	2-3									
Square D		KAP										
Square D	250 Amp Frame	KC	2-3									
Square D		KCL	2-3									
Square D	250 Amp Frame	KH	2-3									
Square D		KHL	3									
Square D	250 Amp Frame	KI	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	400 Amp Frame	LH	2-3									
Square D		LHL	3									
Square D		LHP										
Square D		MA	3									
Square D	1000 Amp Frame	MA	2-3									
Square D		MAL	3									
Square D	1000 Amp Frame	MH	2-3									
Square D		MHL	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	250 Amp Frame	Q2	2-3									
Square D	250 Amp Frame	Q2H	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	400 Amp Frame	Q4L	2-3									
Square D	QO	QO	1									
Square D	QO	QO	2-3									
Square D	QO	QOB	1									
Square D	QO	QOB	2-3									
Square D	QO	QOB-H	2									
Square D	QO	QOB-VH	1									
Square D	QO	QOB-VH	2-3									
Square D	QO	QO-H	2									
Square D	Main Circuit Breaker QO	QOM1-VH	2									
Square D	Main Circuit Breaker QO	QOM2-VH	2									
Square D	QO	QO-SWN	2-3									
Square D	DIN Rail Mnt QO	QOU	1									
Square D	DIN Rail Mnt QO	QOU	2-3									
Square D	DIN Rail Mnt QO	QOU w/tie	2-3									
Square D	QO	QO-VH	1									
Square D	QO	QO-VH	2-3									
Square D	DIN Rail Mount	QYU	1									
Square D	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										

LOCKOUT/TAGOUT CROSS REFERENCE CHART

				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
Sylvania GTE		QC	2							■		■
Sylvania GTE		Type C	2							■		■
T&B		F Frame	1-3		■							■
Westinghouse		BA	1		■							■
Westinghouse		BA	2-3		■							■
Westinghouse		BA	2-3							■		
Westinghouse		BA	1	■	■							■
Westinghouse		BAB	1	■	■							■
Westinghouse		BR	1	■	■							■
Westinghouse		BR	2-3							■		■
Westinghouse		BRH	2-3							■		
Westinghouse		CA			■	■						
Westinghouse		DA					■					
Westinghouse		DK					■					
Westinghouse		EB	1-3		■	■						■
Westinghouse		ED			■							■
Westinghouse		EH	1-3		■							■
Westinghouse		EHB	1-3		■	■						
Westinghouse		EHD	1-3		■							■
Westinghouse		FA	3		■	■						■
Westinghouse		FB	2-3		■	■						■
Westinghouse		FD	1-4		■							■
Westinghouse		FDB	2-4		■							■
Westinghouse		FDC	2-4		■							■
Westinghouse	For Fire Protect.	FP	3				■	■				
Westinghouse		GB	1-3		■							■
Westinghouse		GBH	1-3		■							■
Westinghouse		GHB	1-3		■							■
Westinghouse		GR	3				■					
Westinghouse		HBAW	1	■	■							■
Westinghouse		HBAX	1	■	■							■
Westinghouse		HCA	3		■	■						■
Westinghouse		HFB	1-3		■	■						■
Westinghouse		HFD	1-4		■							■
Westinghouse		HKD	3				■					
Westinghouse		HLA					■					
Westinghouse		HLB					■					
Westinghouse		HMC					■					
Westinghouse		HMCP			■	■						■
Westinghouse		HNC							■			
Westinghouse		HQNP	3		■							■
Westinghouse		HQP	1	■	■							■
Westinghouse		JA					■					
Westinghouse		JD	2-4				■					
Westinghouse		KA	3				■	■				
Westinghouse		KB					■					
Westinghouse		LA	3				■	■				
Westinghouse		LB					■					
Westinghouse		LBB	3				■					
Westinghouse		LH					■					
Westinghouse		MA	2-3				■	■				
Westinghouse		MC	2-3				■	■				
Westinghouse		MCC	2-3				■	■				
Westinghouse		MCPO	3		■	■						■
Westinghouse		NB							■			
Westinghouse		P	3		■							■
Westinghouse		QBHW	1	■	■							■
Westinghouse		QC	1	■	■							■
Westinghouse	Quicklag C	QC	3							■		
Westinghouse		QCHQ	1	■	■							■
Westinghouse		QHCW	1	■	■							■
Westinghouse		QHCX	1	■	■							■
Westinghouse		QHPW	1	■	■							■
Westinghouse		QPHW	1	■	■							■
Westinghouse		Quicklag P			■							■
Westinghouse		RE			■							■
Westinghouse		RH	3				■					
Westinghouse		WPHX	1	■	■							■
Zinsco		HQB	3		■							■
Zinsco		QB	1		■							■
Zinsco		QCB	2							■		■
Zinsco		Type Q	1		■							■
Zinsco		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 C-5
Blades C-6
Accessories C-6
Replacement Parts C-6

CUSTOM STRIPMASTER® WIRE STRIPPERS

Wire Strippers C-7
Blades C-8
Accessories C-8
Replacement Parts C-8
MIL-Spec Application Guide C-9

SPECIALTY WIRE STRIPPERS

Ergo-Elite Stripmaster® Wire Stripper C-12
Omega Stripmaster® Wire Stripper C-13
Pneumatic Wire Strippers C-15

THE ELECTRICIAN'S
CHAMPION™
IDEAL®

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.

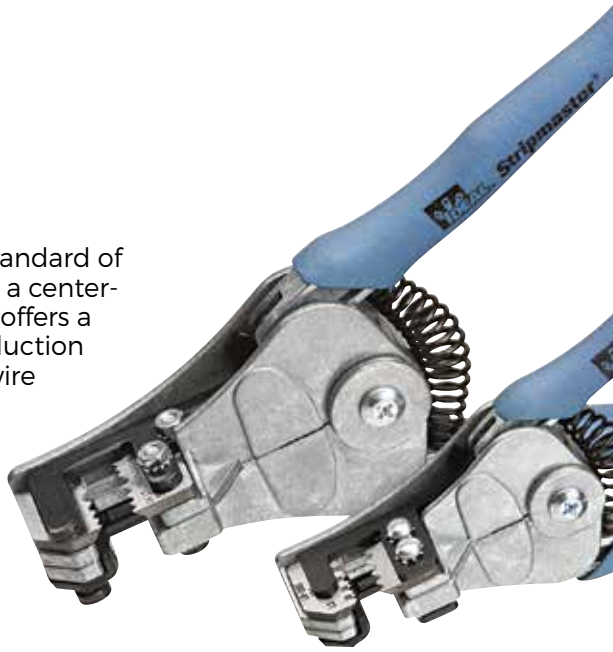
The second, non-precision stripping, is used in the manufacturing of lighting fixtures, electrical appliances, automotive harnesses, etc. This requires wire strips that assure product reliability and are obtained at a relatively low cost.

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® WIRE STRIPPERS

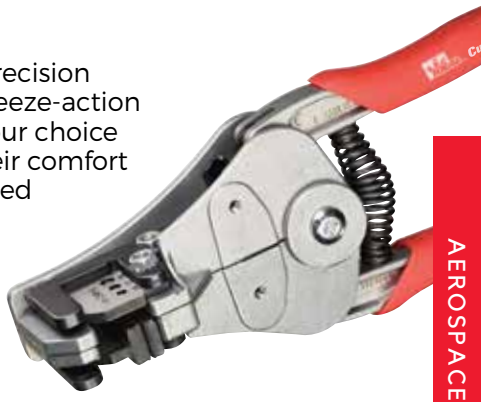
Stripmaster® & Stripmaster® Lite Wire Strippers

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.



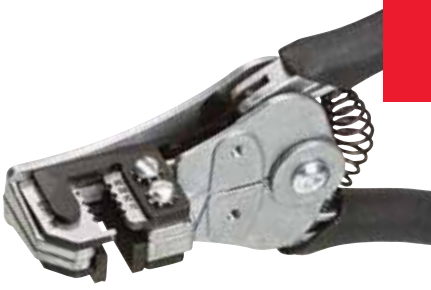
Custom Stripmaster® Wire Strippers

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.



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®
- 90-day warranty

Stripmaster® Wire Strippers and Knife-Type Blades

Specifications — Stripping Holes Offered												Replacement Blades (Pair) Part No.	Replacement Frame Part No.	Tool w/ Blades Part No.
Wire Size AWG														
6	8	10	12	14	16	18	20	22	24	26	28	30			
	•	•	•										L-4419	L-5620	45-090
		•	•	•	•	•							L-4420	L-5620	45-091
		•	•	•	•	•	•	•					L-4421	L-5620	45-092 or 45-292*
				•	•	•	•	•					L-4422	L-5620	45-093
•	•	This tool has a custom steel frame & custom step grippers.											L-4453	LB-1091	45-096
					•	•	•	•	•	•			L-4994	L-5620	45-097
							•	•	•	•	•	•	L-5361	L-5620	45-098
	•	•			•	•							L-8763	L-5620	45-099

* Blister Card

Stripmaster® Lite Wire Strippers and Knife-Type Blades

Specifications — Stripping Holes Offered										Replacement Blades (Pair) Part No.	Replacement Frame Part No.	Tool w/ Blades Part No.
Wire Size AWG												
12	14	16	18	20	22	24	26	28	30			
		•	•	•	•					LB-1001	LB-1421	45-671
						•	•	•	•	LB-1002	LB-1421	45-672
•	•	•	•	All stranded wire						LB-1003	LB-1421	45-673
•	•	•	•	12 & 14 Solid Wire, 16 & 18 Stranded Wire						LB-1004	LB-1421	45-674

Stripmaster® Wire Strippers and Knife-Type Blades for Metric Wire

Specifications — Stripping Holes Offered														Replacement Blades (Pair) Part No.	Replacement Frame Part No.	Tool w/ Blades Part No.
Wire Size mm²																
0.05	0.1	0.15	0.22	0.34	0.5	0.75	1	1.5	2.5	4	6	8	10			
												•	•	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 Blades (Pair) Part No.	Replacement Frame Part No.	Tool w/Blade Part No.
Wire Size mm²											
0.05	0.1	0.15	0.22	0.34	0.5	0.75	1	1.5			
				•	•	•	•	•	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.

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.

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

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

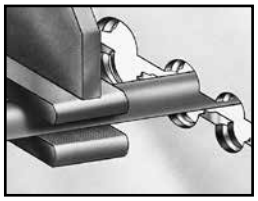
- Strips 30 - 10 AWG solid or stranded wire
- Mil-spec die-type blades allow precision stripping
- Inner cutting hole sized to conductor and counter-bored holes sized to insulation
- Replaceable grippers
- Optional short stop-latch and transparent wire stop
- Cushioned, comfort grip handles
- Engineering service and made-to-order blades available. Contact factory for complete product and blade number listing.
- Meets SAE-AS5768 Standards
- 90-day warranty

Custom Stripmaster® Lite Wire Strippers

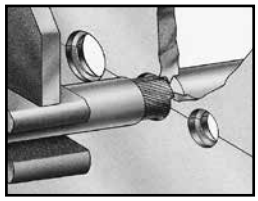
- Custom Stripmaster® Lite is 3/4's the size of Custom Stripmaster® Wire Stripper and strips 16 - 30 AWG solid or stranded wire
- Custom Stripmaster® Lite requires one-third less hand pressure for each strip actuation
- Engineering Service and made-to-order blades available. Contact factory for complete 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.

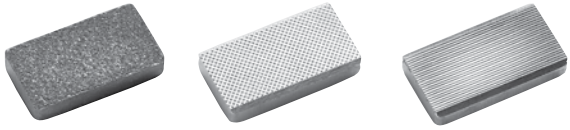


Die-type blades incorporate a counter-bored hole sized to the insulation and an inner cutting hole sized to the conductor. This varies depending on insulation type and thickness.

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.

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.)

* Gripper Set includes one movable gripper and one stationary Gripper.
** Grit pads are standard for most Custom Stripmaster® and Custom Stripmaster® Lite products.
‡ For use on hard-to-grip surfaces.
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.

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
AKB	**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

	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**
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			
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

	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**
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.

- 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
- Precision blades available for use with Mil-Spec wire.

V-Notch Wire Cutter

- 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
Strip Lengths	Minimum:	1/8 in.		
	Maximum:	1/2 in.		
Dimensions	Length:	6-5/8 in.	7-7/8 in.	8-7/8 in.
	Width:	2 in. dia.	1-1/2 in. dia.	1-7/8 in. dia.
	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

AEROSPACE

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**

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**

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**

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.

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:

Name _____

Title _____

Company _____

Street _____

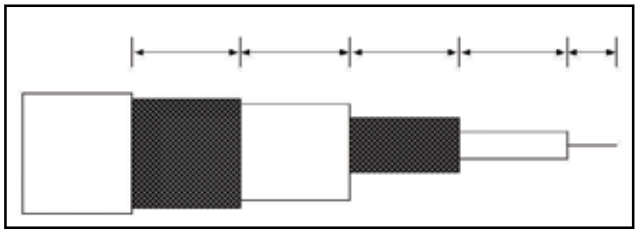
City _____ State _____ Zip _____

Phone _____ Fax _____

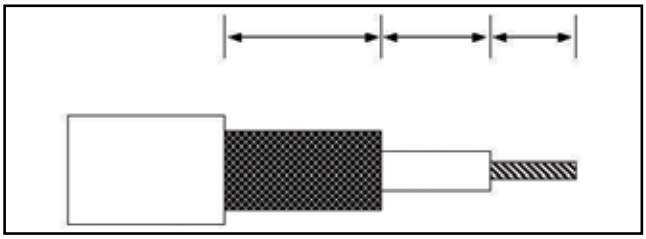
E-mail _____

5. **Wire Gauge:** _____
6. **MIL-Spec:** _____
7. **Number of Strips per Day:** _____

Triaxial Cable



Coax Cable



5. **Remarks:** _____

TEST & MEASUREMENT

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

CLAMP METERS

TightSight® Clamp Meters D-7
Miscellaneous Clamp Meters D-8

BRANCH CIRCUIT ANALYSIS AND TESTING

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SURETRACE™
CIRCUIT TRACER
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THE ELECTRICIAN'S
CHAMPION™ IDEAL®

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.

Exclusive Rotating Display

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 **De-energized**

Pinpoints Opens & Shorts

Traces behind walls

Traces on de-energized circuits

Inductive Clamp

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

61-959

61-957

61-955

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.

Visit idealcircuit-tracer.com for complete information and “How-To Videos.”

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**

RC-955 Receiver

- 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**

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

Description	Part No.
Inductive Clamp	**IC-958**
Battery Pack	**BP-958**

Included in 61-659 kit only.

Accessories

TL-956 Lead Adapter Kit

CR-959

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	Range & Resolution				Accuracy
	61-773	61-775	61-763	61-765	
AC Current	0.0-999.9A		0.0-660.0A		2.0%
DC Current	—	0.0-999.9A	—	0.0-660.0A	2.0%
AC Voltage	0.0-750.0V				1.0%
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" (51mm)		1.42" (36mm)		—

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).

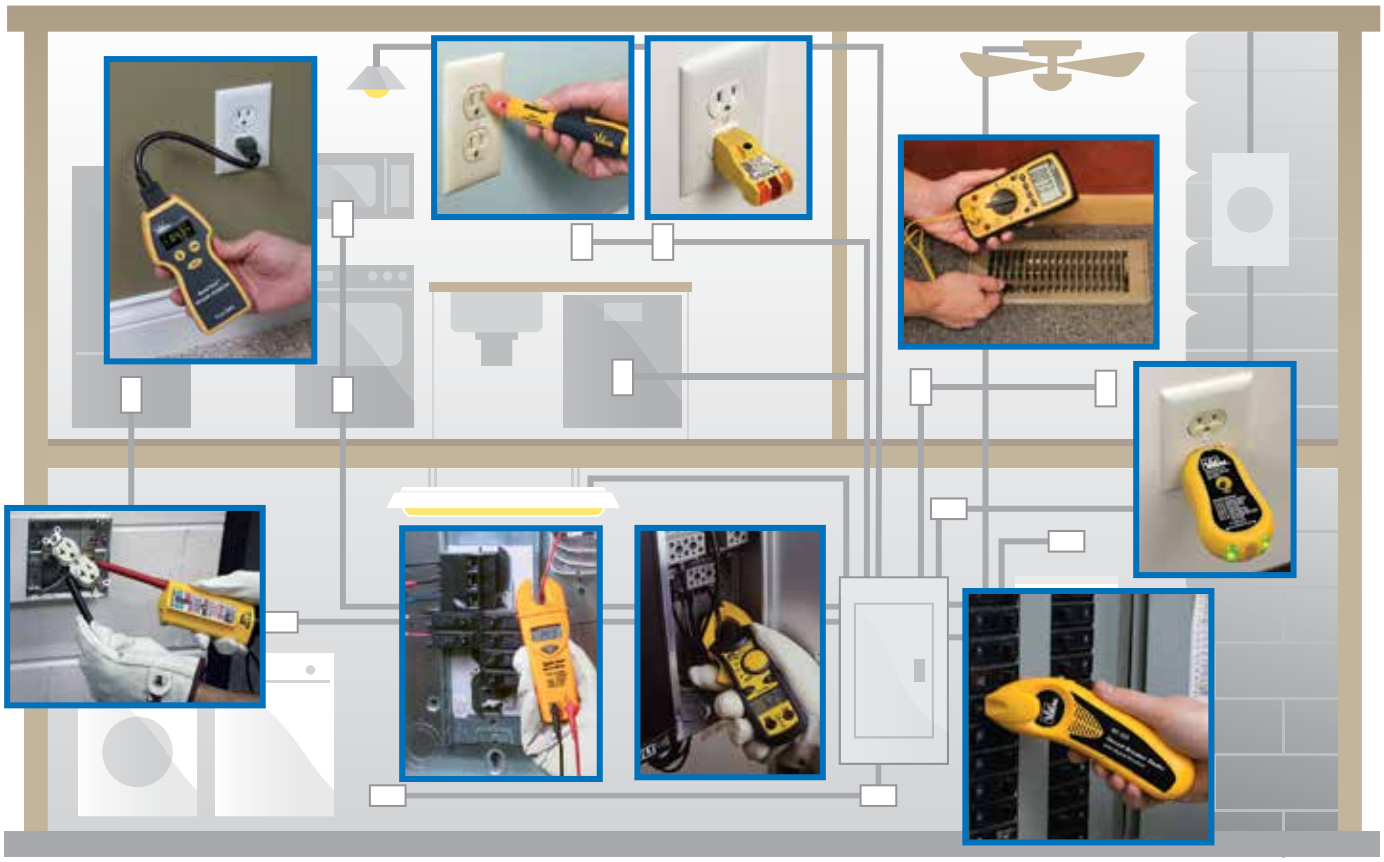
Clamp Meter Selection Guide

CLAMP METER SELECTION GUIDE	700	740 Series		760 Series		770 Series	
	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	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		III	III	IV	IV	IV	IV
Category Safety Rating at 1000 volts	III			III	III	III	III

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:

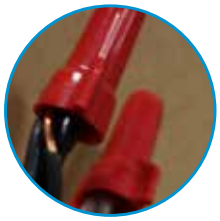
Bootleg Grounds have been fooling inspectors for years when checking circuits for integrity. Receptacle (Plug) testers test for voltage and can't identify this improper wiring condition. Bootleg grounds set up the potential for dangerous undetected fault conditions.

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 quickly identify bootleg grounds within 15 ft. of the outlet being tested.

IDEAL SureTest™ clearly identifies a fault with the ground.

Improper Installations can result in electrical fire hazards, personal shock hazards. and premature equipment failure.



Improper solid wire connection.

Improper stranded 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**

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%

Description	Part No.
SureTest® Circuit Analyzer	**61-164**

Includes: Carrying Case and Extension Cord.

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
- Power Supply: Line powered (115-250VAC)
- Supply Frequency: 47-63Hz
- Weight: 50g approx.
- Pulse Amplitude: 18A approx. @ 120V
- Pulse Rate: 4mS every 17ms (@ 60Hz)
- Power Consumption: 200mW max. @ 120VAC

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: UL 1436
- Use Environment: Cat II 300V
- Operating Temperature: 32 to 122˚F (0 to 50˚C)

Description	Part No.
Circuit Breaker Finder w/Digital Receiver & GFCI Circuit Tester	**61-534**

Split-Jaw™ Smart Meter

- Measures
  - 0.9-200AAC
  - 1.3-750VAC
  - 2.1-1000VDC
  - 0.0-9999Ω
- Audible continuity
- Data hold
- Integral lead storage
- Replaceable test leads
- Auto power off
- Low battery indication
- Test leads UL 61010-031 compliant
- 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

- Voltage
- Current
- Resistance
- Audible continuity
- Capacitance
- Frequency
- Temperature
- Data hold
- Min/max/relative modes
- Backlight
- True RMS
- Auto AC/DC voltage detect w/low impedance (Auto - VLoZ)
- Analog bar graph
- Non-contact voltage detection
- Peak hold
- Low battery indication
- Auto power off
- Limited 2-year warranty

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	60.00m/600.0m/6.000/10.00A	0.80%
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%
Temperature	-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 off
- Limited 2-year warranty

61-342

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

61-076

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

61-051

61-035

- 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
- Simulates ground fault for testing GFCIs (61-051 only)
- No-slip ergonomic design maximizes comfort
- Premium neon lamps prevent false readings
- Tough, impact-resistant case
- 2-year warranty

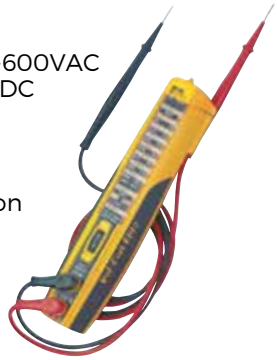
Description	Part No.
E-Z Check® Plus GFCI Circuit Tester	**61-051**
E-Z Check® Circuit Tester	**61-035**

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

61-797 **61-795**

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**

Specifications	Range & Resolution	
	61-797	61-795
Test Voltage	50/100/250/500/1000 VDC	250/500/1000 VDC
Voltage AC/DC	0.1-600.0 V	0.1-600.0 V
Continuity	—	0.01-20.0 Ω
Resistance	0.01 Ω to 40.00k Ω	0-200.0Ω
Insulation Resistance	Up to 20G Ω	Up to 4000M Ω
Earth-Bond Resistance	0.01 Ω to 40.00k Ω	0.01 Ω to 19.99 Ω

Ground Resistance Meters

- Auto ranging
- Auto power off
- Hard case included
- 2-year warranty

61-796

61-920

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**

Specifications	Range & Resolution	Accuracy	Range & Resolution	Accuracy
	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

CE

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

Description	Part No.
Isolated Ground Adapter for 61-164 Circuit Analyzer	**61-176**

Extension Cord

Description	Part No.
1' Extension Cord for 61-164 Circuit Analyzer	**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

61-461

61-465

- 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

C-179

C-90

C-290

C-700

Selection Guide		VOLTAGE TESTERS				160	340		480	700	740		760		770	
		61-065	61-076	61-092	61-096	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

Selection Guide			060	070	090		340		480	500	700	740		760		770		790			900		
			61-065	61-076	61-092	61-096	61-340	61-342	61-486	61-521	61-704	61-744	61-746	61-763	61-765	61-773	61-775	61-795	61-796	61-797	61-955	61-957	61-959
FUSES																							
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																		•			
BATTERIES																							
—	1.5V (AAA)											•	•					•		•			
—	9V					•	•	•	•		•			•	•	•	•						
TEST LEADS																							
TL-796	Earth Resistance Lead Set																		•				
TL-797RP	Remote Probe Test Lead																			•			
TL-102	Silicone Test Leads				•						•												
61-070	Standard Test Leads	•	•																				
TL-770	Test Leads w/larger Alligator Clips						•	•	•			•	•	•	•	•	•						
TL-95	Test Leads					•																	
TL-495	Test Leads w/Alligator Clips (Standard)						•	•	•														
TL-521	Test Lead Set									•													
TL-795	Test Leads w/Alligator Clips (Premium)						•	•	•									•		•			
TL-956	Test Lead Set																				•	•	•

TEST & MEASUREMENT

TEST LEAD SELECTION CHART

for this TESTER	use these TEST LEADS		
61-065 Vol-Test® Voltage Tester **61-076** Vol-Con® Voltage/Continuity Tester	**61-070** Standard Test Leads	OR	**61-072** Resistor Fused Test Leads
61-092 Vol-Con® Elite Digital Voltage Tester	**TL-102** Silicone Test Leads		
61-096 Split-Jaw™ Smart Meter	**TL-95** Test Leads		
61-340, 61-342 Test-Pro® Multimeter **61-486** Digital Multimeter	**TL-770** Test Leads w/Alligator Clip	OR	**TL-495** Test Leads w/ Alligator Clips Standard
61-521 3-Phase/Motor Rotation Tester	**TL-521** Test Lead Set		
61-704 4-in-1 Test Tool	**TL-102** Silicone Test Leads	OR	**TL-495** Test Leads w/ Alligator Clips Standard
61-744, 61-746 Clamp-Pro™ 600A Clamp Meters	**TL-770** Test Leads w/Alligator Clip	OR	**TL-495** Test Leads w/ Alligator Clips Standard TL-495 leads are compatible with the 61-704 but will not fit in the lead storage mounts.
61-773, 61-775 1000A Clamp Meter **61-763, 61-765** 660A Clamp Meter	**TL-770** Test Leads w/ Alligator Clip	OR	**TL-495** Test Leads w/ Alligator Clips Standard
61-795 Insulation Tester	**TL-795** Test Leads w/Alligator Clips Premium		
61-796 3-Pole Ground Resistance Tester	**TL-796** Earth Resistance Lead Set		
61-797 Insulation Tester	**TL-795** Test Leads w/Alligator Clips Premium	OR	**TL-797RP** Remote Probe Test Lead
TR-955 Transmitter for SureTrace™ Circuit Tracers	**TL-956** Test Leads		

SAFETY IN THE FIELD

IEC (International Electrotechnical Commission) Category Ratings

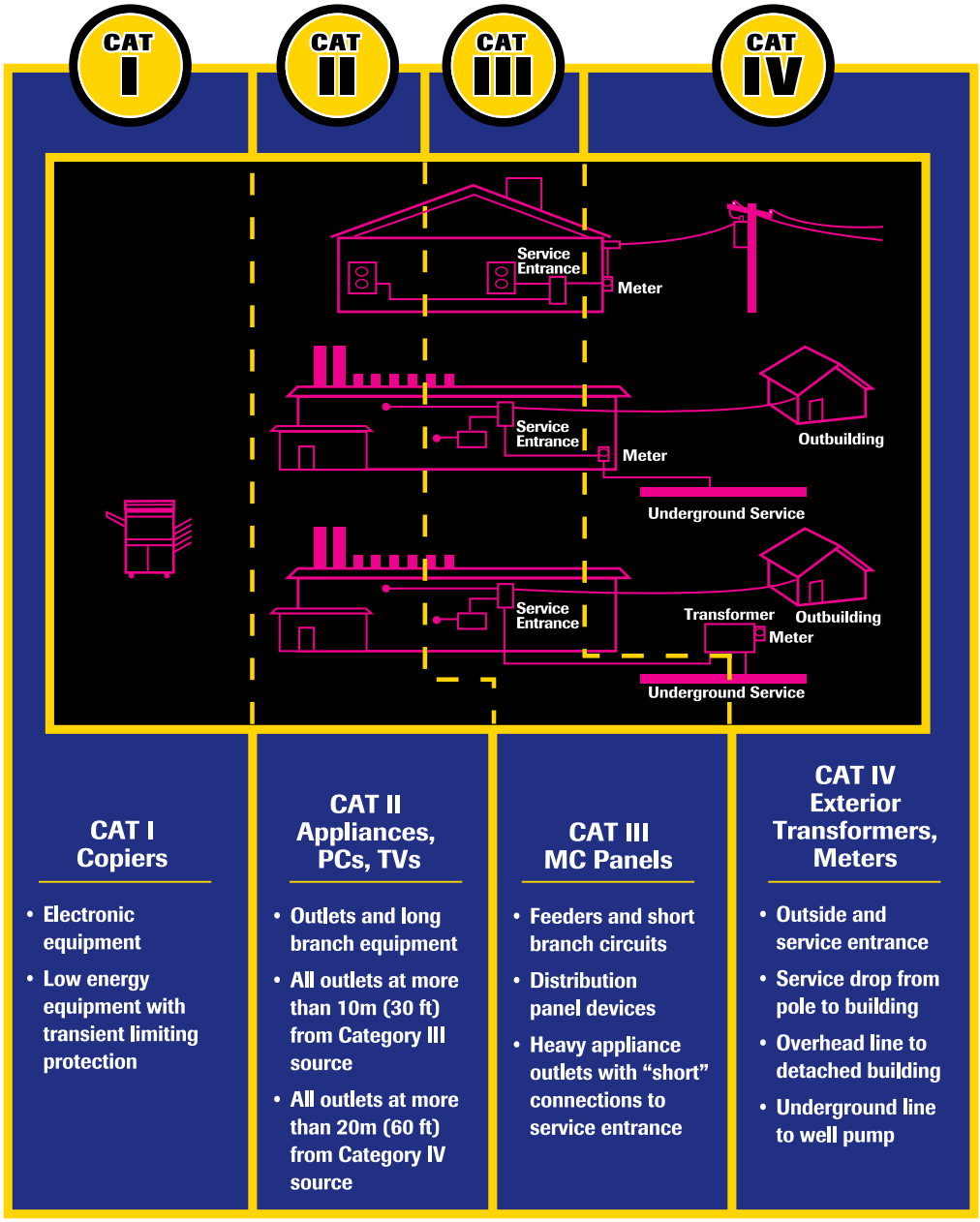
Category I – The signal level for telecommunications, electronic and other low-energy equipment with transient limiting protection. Peak impulse transient range is 600-4,000 volts with 30 ohm source.

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.

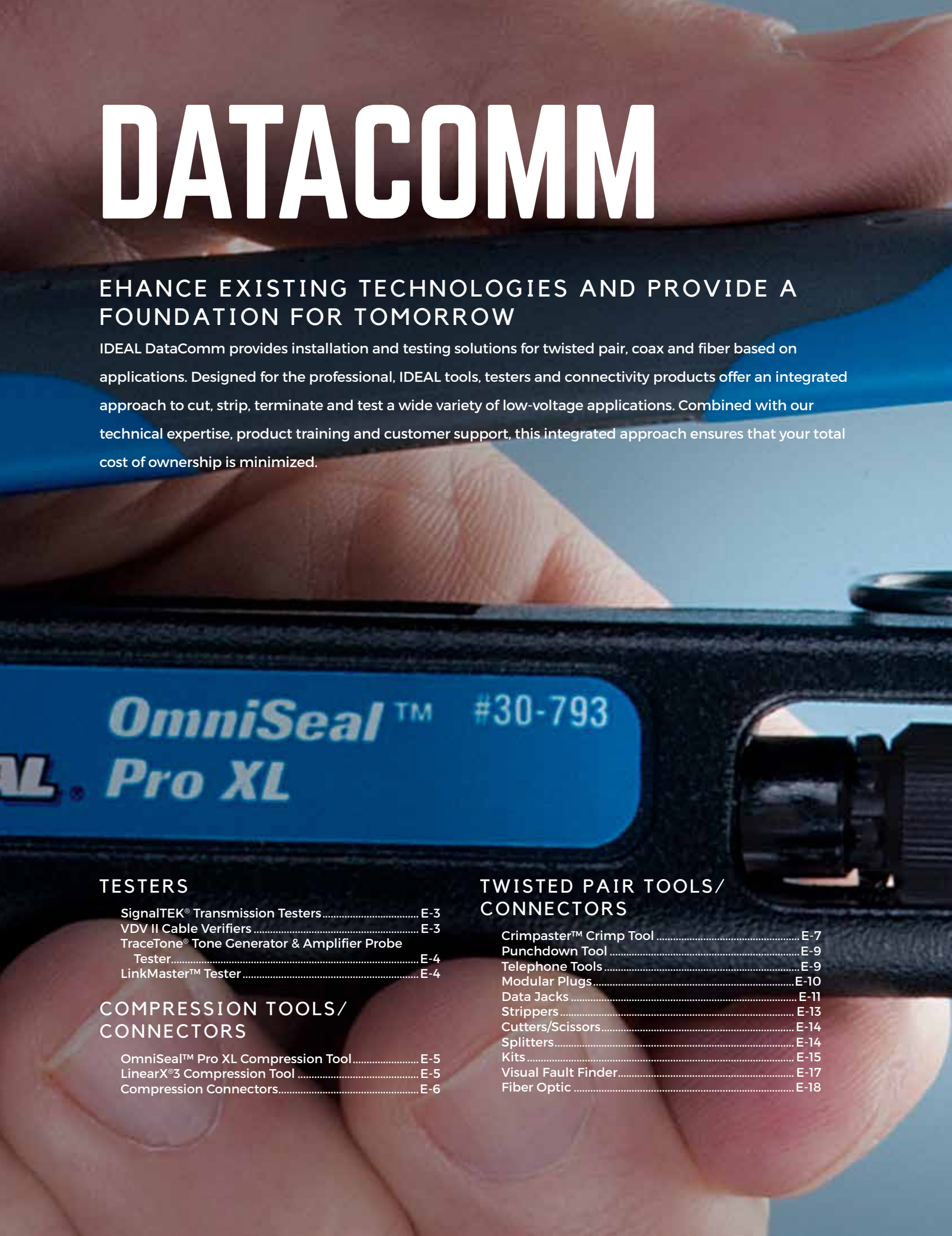
Visit idealind.com for more technical product details, application support, white papers, videos and software.



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.



TESTERS

SignalTEK® Transmission Testers E-3
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 Tool E-5
Compression Connectors E-6

TWISTED PAIR TOOLS/ CONNECTORS

Crimpaster™ Crimp Tool E-7
Punchdown Tool E-9
Telephone Tools E-9
Modular Plugs E-10
Data Jacks E-11
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OMNISEAL™ PRO
XL COMPRESSION TOOL
Page E-5

THE ELECTRICIAN'S
CHAMPION™ IDEAL®

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.
- For installers, this means having a cost-effective way to demonstrate that the cabling was installed correctly and is capable of supporting Ethernet applications. By proving real world performance, SignalTEK® CT confirms a 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, stress-testing 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	X	X
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			X
Ethernet Service Detection - 10/100/1000MB; FD/HD			X
Phone Service (voltage) detection - PBX/ISDN/Analog/Digital			X
Included carrying case with patch cables/adapters		X	X

Visit vdvii.com for more information on the VDV II.

Test-Tone-Trace Kit

- Kit includes the VDV (33-856), Amplifier Probe (62-164), carrying case and accessories
- Tests and traces coax, twisted pair and telephone cables in one simple kit

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 pair
- 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 & Amplifier Probe Tester

- Economical solution for tracing copper low-voltage cabling
- Two selectable tone styles and adjustable volume control
- RJ-11 Alligator Clip, RJ-11 Cable Assembly included

Description	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

INCLUDES Four WeatherProof Connectors

- Compresses F/BNC/RCA connectors
- Adjustable post for different length/style connectors
- Linear stroke for consistent compression results & easy operation
- 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

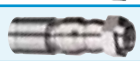
OmniCONN™ F-Connectors
- Non corrosive nickel plated brass body and polycarbonate bushing
- Nylon adapter sleeve and o-ring provide double protection for a watertight seal
- Free spinning hex nut for ease of installation onto all 7/16 ports
- 75 ohm nominal impedance
- Two-piece pre-assembled connectors

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

Type		Image	Series/Model #	Cable Type	Center Conductor	Dielectric Diameter	Jacket Diameter	Quantity	Part No.
BNC	RG-59		InSITE™ Model #59BNCIS	RG-59	23-18 AWG Solid .023" - .040"	.142" - .148"	.230" - .250"	Card of 4	**92-704**
								Card of 15	**89-047**
								Jar of 35	**89-5047**
								Bulk 1,000	**89-1047**
			InSITE™ 90° Model #59BNCRAIS	RG-59	23-18 AWG Solid .023" - .040"	.142" - .148"	.230" - .250"	Card of 5	**92-693**
			InSITE™ Model #59PLBNCIS	RG-59 Plenum	23-18 AWG Solid .023" - .040"	.134" - 140"	.193" - 224"	Card of 15	**89-049**
	RG-6		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	**92-705**
								Card of 15	**89-048**
								Jar of 35	**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**
F	RG-6		RTQ™ XR™ Model #6FRTQXR	RG-6/6Q RTQ™ & Plenum 6/6Q RTQ™	N/A	.168" - .183"	.226" - .310"	Card of 10	**92-651**
								Jar of 50	**92-650**
								Jar of 100	**92-656**
								Bulk 1,000	**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**
			NJX™ Model #6FNJX	RG-6	N/A	.175" - .183"	.254" - .278"	Card of 10	**89-040**
			NJX™ Model #6QFNJX	RG-6 Quad	N/A	.175" - .183"	.275" - .305"	Card of 10	**89-041**
			TLC™ Model #6FTLC	RG-6	N/A	.175" - .183"	.254" - .278"	Card of 10	**85-068**
								Card of 4	**85-069**
								Card of 50	**85-168**
			TLC™ Model #6QFTLC	RG-6 Quad	N/A	.175" - .183"	.275"- .305"	Card of 4	**85-079**
								Card of 50	**85-178**
			OmniConn™ Model #6FOC	RG-6	N/A	.175" - .183"	.260" - .280"	Jar of 50	**89-044**
								Bulk 1,000	**89-1544**
			OmniConn™ Model #6QFOC	RG-6 Quad	N/A	.175" - .183"	.270" - .295"	Jar of 50	**89-045**
								Bulk 1,000	**89-1545**
	RG-59		RTQ™ Model #59FRTQ	RG-59/59Q RTQ™	N/A	.142" - .148"	.230" - .270"	Card of 10	**92-611**
								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**
			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**
	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

Description	Part No.
Crimpmaster™ Crimp Frame Tool (Die set not included)	**30-506**
Replacement Screws	**LB-1284**

Crimpmaster™ Tools and Die Sets

30-559 Die only
RJ-45 CAT 5/5e Eight-position Crimp Tool for keyed or non-keyed modular plugs. Not for Cat 6

30-573 Tool w/die 30-481
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)

30-581 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)

30-593 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

30-586 Die only
22-12 AWG (.324mm² - 3.31mm²) Non-Insulated Open Barrel Connectors, Commercial Type

30-594 Die only
Fully Insulated quick disconnect terminals with thinner wire barrels 22-10 AWG (.324mm² - 5.261mm²)

30-481 **30-502** **30-503** **30-500**

DATACOMM

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 versions are available
- 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 Connector	Card of 10	**85-053**
	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 cable
- 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.
	3GHz F-Splice Adapter, high bandwidth, for standard and high definition applications, <0.25dB insertion loss, >25dB return loss	Card of 4	**85-339**
		Card of 10	**85-340**
	RCA Female-to-Female Adapter	Card of 2	**85-937**
	Coax Cable F-Terminators - for all open ports on coax wall plates and splitters	Card of 4	**85-073**
	90˚ F-Adapter - F-female to F-male coax adapter	Card of 2	**85-070**
	BNC Female to BNC Female Adapter	Card of 2	**85-075**
		Card of 10	**92-817P**

DATACOMM

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-45™ Crimp Tool crimps feed-thru, standard and shielded connectors
- Crimps and trims flush in one step
- Compact design
- Long-lasting blade

NEW

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	Kit Part No.	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

NEW

CAT5e CAT6

- Feed-Thru modular plugs simplify twisted pair assembly process
- Verify conductor order before crimping
- Conductors trimmed flush by the tool
- 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

- Prevents broken connector tabs and snagging while extending connector life
- Minimizes cable bends that can reduce data speed and result in data loss
- 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**

Compatible with IDEAL 30-696, 30-496, 30-495and 33-396 Modular Plug Crimp Tools.

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.
CAT5e 8-Position 8-Contact, RJ-45	10	**85-147**
	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

NEW

- 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 Specifications	
Current Rating	1.5 Amps
Insulation Resistance	50mΩ
Contact Resistance	20mΩ
DC Resistance	0.1Ω
Dielectric Withstanding Voltage	1000V

c UL us
LISTED
14RS Comm. Circuit ACCY

White - WH

Blue - BU

Orange - OR

Black - BK

Red - RD

Green - GN

Yellow - YL

Ivory - IV

Grey - GY

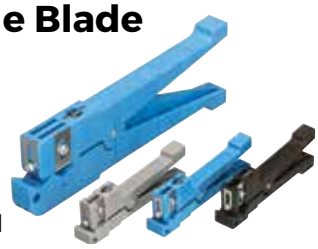
Dust Caps

DATACOMM

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			
0 Port Keystone Faceplate-White	KFP0WH	Bag of 1	**89-740WH**
1 Port Keystone Faceplate-White	KFP1WH	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**
0 Port Keystone Faceplate-Ivory	KFP0IV	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
- Common uses are for fiber jackets, mini-coax prep, twisted pair cables and other specialty copper cables where standard stripping products are not available
- 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		**33-410**
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		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

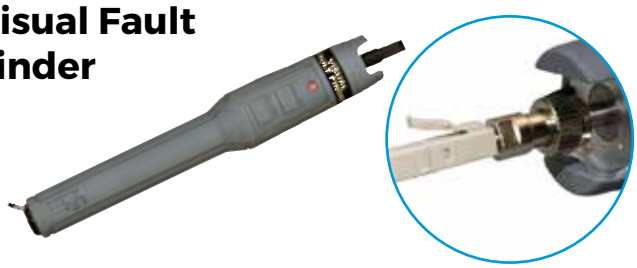
Description		Part No.
Telemaster™ Crimp Kit		**33-700**
Includes:	**Qty.**	**Part No.**
Telemaster™ for RJ-11 (1, 2, 3 pair) and RJ-45 Plugs	1	**30-496**
CAT 5e 8-Position, 8-Contact RJ-45 Modular Plugs	10	**85-346**
6-Position RJ-11 Modular Plugs	10	**85-345**
6-Position, 4-Contact RJ-11 Modular Plugs	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**

Visual Fault Finder



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.
- **Ready for FTTx** — 1490nm measurement wavelength for use with nearly all single mode Fiber-To-The-Home applications.
- **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
- 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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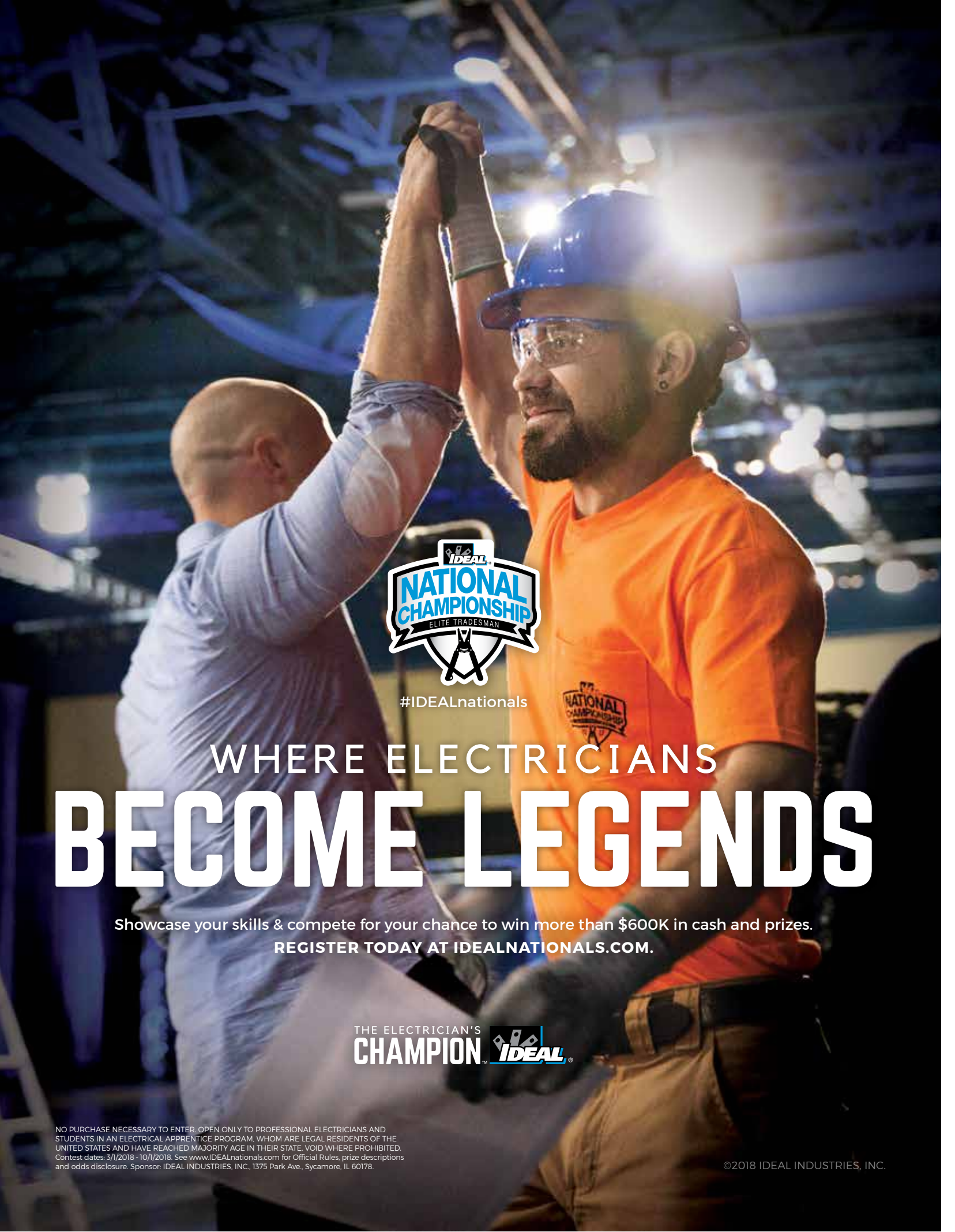

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