WIRE LUBRICANTS
SELECTION GUIDE

Application Selection

	Commercial	Utility
Temperature Range	40°F - 120°F (4°C - 49°C)	-28°F - 120°F (-33°C - 49°C)
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

	Yellow 77®	Yellow 77® Plus	ClearGlide®	Aqua-Gel® II	Aqua-Gel® IIP	Aqua-Gel® CW	Velocity™
Color	Yellow	Yellow	Clear	Blue	Blue	Pink	Cream
Base	Wax	Wax	Polymer	Polymer	Polymer	Polymer	Polymer
Average Coefficient of Friction*	.17	.16	.23	.19	.19	.19	.16
Stability Range	32°F – 130°F (0°C – 54°C)	32°F – 190°F (0°C – 88°C)	32°F – 180°F (0°C – 82°C)	28°F – 180°F (-2°C – 82°C)	28°F – 180°F (-2°C – 82°C)	-28°F – 190°F (-33°C – 82°C)	25°F – 140°F (-3.9°C – 60°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)	40°F – 140°F (4°C – 82°C)
Compatibility (Cable Types):							
Rubber	●	●	●	●	●	●	●
Neoprene	●	●	●	●	●	●	●
Nylon	●	●	●	●	●	●	●
PVC	●	●	●	●	●	●	●
High-density or cross-linked polyethylene	●	●	●	●	●	●	●
Low-density polyethylene		●	●	●	●	●	●
Semi-conducting 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 may be used as a guideline for estimating the quantity of lubricant needed for various jobs. Many additional factors may impact quantity needed. Increase quantities if any of the following apply:

· Stiff or heavy cable
· Rough, old, or dirty conduit
· High percent conduit fill
· Pull with several bends
· High temperatures

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