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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