

STANDARD ACCESSORIES

# HYDRALUBE® F-100i

- New technology creates a high performance, water-based pourable lubricant for increased friction reduction
- Very effective for placement of fiber optic, coaxial, 600 V and higher voltage-rated cables, other communications cables, and for larger cables in short runs
- Will not be displaced by cables and compatible with all types of cable jackets
- Can be poured or pumped; slow drying, leaves a lubricating, non-adhesive film
- Safe to use: non-toxic, non-corrosive, non-flammable, and non-staining
- Designed to meet or exceed all cable pulling requirements with respect to viscosity, cling, drag, wetting, operational temperature range and reduction of pulling tension. Lubricant application systems are available. UL Listed.
- Available in wide range of package sizes



Properties	Test Method	Value
Appearance	–	Opaque, cream colored, pourable liquid
Brookfield Viscosity (100 rpm)	ASTM 2196	1200 cPs (25°C)
Density	–	Approximately 8.4 pounds per gallon
Percent Non-Volatile Solids	–	3.0 to 3.5%, one of the lowest in the industry
Temperature Stability	Freeze/Thaw (10 cycles)	Excellent, no phase separation
	Higher Temperature (7 days @ 122°F)	Excellent, no phase separation
pH	–	7.5 - 8.0
Toxicity	–	Non-Toxic and Non-Sensitizing
Temperature Use Range	–	Summer Grade: 20°F to 140°F (-7°C to 60°C)
	–	Winter Grade: 0°F to 140°F (-18°C to 60°C)
Flammability	ASTM D93 (PMCC)	Product has no flash point, residue has no significant flammability
Polyethylene Stress Cracking	ASTM D1693 (14 days)	No failures (LDPE, MDPE and HDPE)
Compatibility with Cable Jackets	IEEE/ICC P1210	No adverse effects on physical or electrical properties
Lubricity	MDPE-jacketed cable in HDPE conduit	(150 lb/ft sidewall load @ 65 fpm pulling speed)
	BELLCORE TR-NTW-002811	coefficient of kinetic friction < 0.09
Clean-up	–	Complete clean-up with water

	12 QTS (CASE)	4 - 1 GAL (CASE)	5 GAL PAIL	55 GAL DRUM
F100i Summer	20000209	20000210	20000200	20002218
Shipping Weights	27 lbs	38 lbs	48 lbs	491 lbs

Hydralube® F-100i is a water-based formulation that is essentially non-toxic, non-sensitizing, and non-combustible. This material is easily washed off the skin or clothing with soap and water. Hydralube® F-100i is extremely slippery, and care must be taken to avoid spills, which might cause a slip hazard. Consult Hydralube® F-100i Material Safety Data Sheet (MSDS) for additional information.