

**STANDARD ACCESSORIES**

# HYDRALUBE® F-300i

- High performance polymer-based, water soluble, pourable gel-type cable lubricant formulated for pulling heavy cable and placement of wire and cable for electric and telecommunications applications
- Effective for all types of high voltage power cables and conventional copper telecommunication cables; compatible with all types of cable
- Easy application in underground horizontal pulls, whether by pouring directly into the cable feeder tube or applying by pump, avoiding the mess of hand application
- Lower viscosity allows for easy pumping or pouring
- Slow drying, leaving a lubricating, non-adhesive film, will not “cement” cable to conduit
- 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 drag, wetting, operation temperature range, and reduction of pulling friction



5 GAL PAIL	
F300i Summer	20000005
Shipping Weights	43 lbs

PROPERTIES	TEST METHOD	VALUE
Appearance	–	Creamy, pourable blue liquid
Brookfield Viscosity (100 rpm)	ASTM D2196	1,800 - 2,200 cps (25°C)
Weight /Gallon	ASTM D1475	8.4 lbs/gallon
pH	–	7 - 8
Freeze Point	ASTM D2386	Summer Grade: 30°F (-1°C) Winter Grade: 10°F (-12°C)
Temperature Stability	Freeze/Thaw (10 cycles) Higher Temperature (7 days @ 122°F)	Excellent, no phase separation
Flammability	ASTM D93 (PMCC)	Excellent, no phase separation Product has no flash point; dried residue has no significant flammability
Evaporation	–	Resists drying, leaving a soft, non-adhesive lubricative film
Corrosivity	(1 week at 75 and 122°F)	Non-corrosive to copper, steel or aluminum
Polyethylene Stress Cracking	ASTM D1693 (14 days)	No failures (LDPE, MDPE, HDPE)
Compatibility with Cable Jackets	IEEE/ICC P1210	No deleterious effects on physical properties
Compatibility with Semi-conductive Shields and Jackets	IEEE/ICC P1026	No deleterious effects on volume resistivity
Shields and Jackets	IEEE/ICC P1210	of semi-conductive insulations
Coefficient of Friction*	Bellcore TR-NWT-002811	MDPE-jacketed cable in HDPE conduit (125 lb load @ 65 fpm pulling speed) < 0.15 Coefficient of Dynamic Friction
Toxicity	–	Non-toxic and non-sensitizing
Clean-up	–	Complete clean-up with soap and water

*Hydralube® F-300i 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-300i is extremely slippery, and care must be taken to avoid spills, which might cause a slip hazard. Consult Hydralube® F-300i Material Safety Data Sheet (MSDS) for additional information.*