

STANDARD ACCESSORIES

HYDRALUBE® AT-500

- Silicone lubricant specially formulated for all air-assisted cable placement applications
- Resistant to the drying effects of high volume air movement
- Deposits a special low friction silicone coating on the conduit wall surface that is resistant to the drying effects of the rapid air movement and high heat
- Designed to leave a minute yet highly effective layer of silicone on the interior of the conduit
- Superior friction reduction properties with no “viscous drag” effects on cable
- Compatible with all types of conduit, cable, cable jackets and HDPE or PVC conduit systems.



	12 QTS (CS)	(4) 1 GAL (CS)	5 GAL PAIL	55 GAL DRUM	270 GAL TOTE
AT500 Summer	20000008	20000129	20000007	20000006	20000335
AT500 Winter	20000009		20000146	20000151	
Shipping Weights	27 lbs	37 lbs	48 lbs	491 lbs	*

PROPERTIES	TEST METHOD	VALUE
Appearance	–	Pourable, cream-colored liquid
Brookfield Viscosity (100 rpm)	ASTM D2196	650 - 750 cps (25°C)
Weight / Gallon	ASTM D1475	8.4 lbs/gallon
pH	–	7 - 8
Freeze Point	ASTM D2386	Summer Grade: 20°F (-7°C) Winter Grade: 0°F (-18°C)
Temperature Stability	Freeze/Thaw (10 cycles) Higher Temperature (7 days @ 122°F)	Excellent, no phase separation
Flammability	ASTM D93 (PMCC)	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
Coefficient of Friction*	Bellcore TR-NWT-002811	MDPE-jacketed cable in HDPE conduit (125pound load @ 65 fpm pulling speed) < 0.10 Coefficient of Dynamic Friction
Toxicity	–	Non-toxic and non-sensitizing
Clean-up	–	Complete clean-up with soap and water

Hydralube® AT-500i 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® AT-500i is extremely slippery, and care must be taken to avoid spills, which might cause a slip hazard. Consult Hydralube® AT-500i Material Safety Data Sheet (MSDS) for additional information.