

## 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, including bulk totes



| 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<br>(CASE) | 4 - 1 GAL<br>(CASE) | 5 GAL<br>PAIL | 55 GAL<br>DRUM | 270 GAL<br>TOTE |
|------------------|------------------|---------------------|---------------|----------------|-----------------|
| F100i Summer     | 20000209         | 20000210            | 20000200      | 20002218       | 20000274        |
| 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.



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