

*Proven in the installation of  
over 40 million meters of cable*

# Polywater<sup>®</sup> F Lubricant

For Pulling  
Fiber Optic and Other  
Communications Cable



- Easy to Pour into Innerducts and Feeder Tubes
- Superior Friction Reduction for Lower Tension Pulls
- Compatible with Cable Jackets, Including LDPE Types
- Pumps and Applicators Available for Easy Use
- Patented Technology-Limited but Never Duplicated
- Available in Cold Weather (Non-freezing) Formula

# Polywater<sup>®</sup> Cable Lubricant F

**Polywater<sup>®</sup> Lubricant F** is a high performance, pourable liquid, cable pulling lubricant recommended for outside plant fiber optic cable pulls. It is also suitable for use on other types of communications cable, including coaxial and copper pair.

**Polywater<sup>®</sup> F** is slow drying and leaves a lubricating film after its water-base has evaporated. Lubricant F uniquely wets out and coats cable for complete lubrication over long distance pulls. It is compatible with a broad range of cable jackets, including polyethylene types.

**Polywater<sup>®</sup> Lubricant WF** (winter grade) has the same characteristics as Polywater<sup>®</sup> Lubricant F and is specially formulated for use in temperatures as low as -20°F (-30°C).

Package Size	Lubricant F Product #	Winter Grade Lubricant WF Product #
55-gal drum (208 ℓ)	F-Drum	WF-Drum
5-gal pail (18.9 ℓ)	F-640	WF-640
2½-gal jug (9.6 ℓ)	F-320	WF-320
1-gal jug (3.8 ℓ)	F-128	WF-128
1-qt squeeze bottle (0.95 ℓ)	F-35	WF-35

## SPECIFICATIONS

- Lubricity:** LDPE-, MDPE- and HDPE jacketed cable on HDPE and PVC innerduct at 200 lbs./ft. (2.91 kN/m) sidewall force, coefficient of kinetic friction < 0.12
- Percent non-volatile solids:** 4.5 to 5.5%
- Appearance:** Transparent to slightly opaque, orange-colored, stringy liquid material.
- Temperature use range:** 20°F to 140°F (-5°C to 60°C) for Polywater<sup>®</sup> F, -20°F to 140°F (-30°C to 60°C) for Polywater<sup>®</sup> WF.
- pH:** 8.0 to 9.5
- Cable compatibility:** No deleterious effects on physical or electrical properties of cable jackets.
- Polyethylene stress cracking:** No stress cracking on LDPE cable jackets when tested by ASTM D1693.
- Temperature stability:** No more than a 20% change in Brookfield viscosity from 40°F to 100°F (5°C to 40°C). No phase-out after five freeze/thaw cycles or 5-day exposure at 140°F (60°C).
- Toxicity:** Non-toxic and non-sensitizing. Industrial use only.
- Flammability:** Lubricant has no flash point and dried residue is not combustible.
- Clean-up:** Complete clean-up possible with water.

**To view technical information on our website, go to:**

General Cable Lubricant information: [www.polywater.com/lubeinfo.asp](http://www.polywater.com/lubeinfo.asp)

Installing Communication Cable in Conduit: [www.polywater.com/commcabl.html](http://www.polywater.com/commcabl.html)

Duct Factor in F/O Pulling: [www.polywater.com/ductdisp.html](http://www.polywater.com/ductdisp.html)

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Important Notice: The statements here are made in good faith based on tests and observations we believe to be reliable. However, the completeness and accuracy of the information is not guaranteed. Before using, the end-user should conduct whatever evaluations are necessary to determine that the product is suitable for the intended use.

American Polywater expressly disclaims any implied warranties and conditions of merchantability and fitness for a particular purpose. American Polywater's only obligation shall be to replace such quantity of the product proven to be defective. Except for the replacement remedy, American Polywater shall not be liable for any loss, injury, or direct, indirect, or consequential damages resulting from product's use, regardless of the legal theory asserted.

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American  
**Polywater**<sup>®</sup>  
Corporation

P.O. Box 53  
Stillwater, MN 55082  
U.S.A

custserv@polywater.com(e-mail)  
<http://www.polywater.com>

1-800-328-9384  
1-651-430-2270  
fax 1-651-430-3634