

**Proven**

# **Polywater<sup>®</sup>**

## **Lubricant J**

**High Performance Cable Lubricant  
For Heavy Cable Installations**

- Maximum Friction Reduction
- Compatible With Most Cables\*
- Temperature Stable
- Non-Combustible Residue
- Specification Grade



- Clean and Non-Staining
- High Cling Factor
- Application System
- UL & CSA Listed
- Available in cold weather (non-freezing) formula

\*Not recommended for use with LSZH,LSHF jackets unless specifically tested.  
(see [www.polywater.com/LSZH.asp](http://www.polywater.com/LSZH.asp) for current information)

# Polywater® Cable Lubricant J

**Polywater® Lubricant J** is a high performance, clean, slow-drying, water-based gel lubricant. Lubricant J provides maximum tension reduction in all types of cable pulling. It is especially recommended for long pulls, multiple-bend pulls and pulls in a hot environment. Lubricant J dries to form a thin lubricating film that retains its lubricity for months after use.

**Polywater® J** is a specification-grade lubricant that does not promote flame propagation when used with fire-retardant cables and systems. It is harmless to humans, environmentally safe, compatible with all cable jacket materials, and can be easily applied as part of the unique Polywater® Lubricant Application System.

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

**Front End Pack™** is a conduit-sized polyethylene bag of lubricant. The Front End Pack™ travels through the conduit on the winch line prelubricating the conduit ahead of the cable being pulled.

Package Size	Lubricant J Product #	Winter Grade Lubricant WJ Product #
55-gal drum (208 l)	J-Drum	WJ-Drum
5-gal pail (18.9 l)	J-640	WJ-640
1-gal pail (3.9 l)	J-128	WJ-128
½-gal Front End Pack™ (1.9 l) (in 5-gal. pail)	J-110	WJ-110
1-qt Front End Pack™ (0.95 l) (in 5-gal pail)	J-99	WJ-99
½-gal Front End Pack™ (1.9 l) (in corrugated carton)	J-55	WJ-55
1-qt (0.95 l) squeeze bottle	J-35	WJ-35
1-qt Front End Pack™ (0.95 l) (in corrugated carton)	J-27	WJ-27

## SPECIFICATIONS

- Lubricity:** PVC or LDPE jacketed cable on PVC conduit at 200 lbs/ft (2.91 kN/m) normal pressure; coefficient of dynamic friction <0.15. PVC or LDPE jacketed cable on HDPE innerduct at 200 lbs/ft (2.91 kN/m) normal pressure; coefficient of dynamic friction <0.15.
- Percent non-volatile solids:** 3.5 – 5.5%
- Appearance:** Thick, cream-colored gel material
- Wax, grease, and silicone content:** none
- Temperature use range:** 20°F to 120°F (-5°C to 50°C) for Polywater® Lubricant J, -20°F to 120°F (-30°C to 50°C) for Polywater® Lubricant WJ (winter grade)
- pH:** 7.5 – 9.0
- Cable compatibility:** Passes IEEE 1210 physical and electrical testing on a wide variety of cable materials.
- Polyethylene stress cracking:** No stress cracking on LDPE cable jacket when tested by ASTM D1693
- Cling factor:** Twelve inches of a one-inch diameter cable will hold at least 75 grams of lubricant for one minute when held vertically (at 70°F/20°C).
- Temperature stability:** No phase-out after five freeze/thaw cycles or 24-hour exposure at 120°F (50°C).
- Toxicity:** Non-toxic and non-sensitizing. Industrial use only.
- Clean-up:** Complete clean-up possible with water.
- Flammability:** Lubricant has no flash point and dried residue will not support or spread flame.

To view technical information on our website, go to:

Cable Manufacturer Approvals: [www.polywater.com/elecapprovals.pdf](http://www.polywater.com/elecapprovals.pdf)

Usage and compatibility: [www.polywater.com/lubeinfo.asp](http://www.polywater.com/lubeinfo.asp)

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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®  
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