

# Polywater® + Silicone™

## CABLE PULLING LUBRICANT



Polywater + Silicone lube is easily pumped

For Installing Transmission Cable, Pulling Through Water, and Lubricating HDPE Conduit Systems

### PRODUCT BENEFITS

- **Heavy Pulls:** Preferred lubricant for URD and underground transmission cable installations.
- **Water Resistant:** Does not wash off. Reduces tension even when pulling through water.
- **Very Low Friction:** Consistently low friction and tension when pulling through HDPE and PVC pipe.
- **Non-Freezing Formula:** Polywater WNN can be used for cold weather (sub-freezing) pulling.
- **Easy to Apply:** Can be poured or pumped onto cables.

### The Longest Cable Pulls Made Simple

Polywater® + Silicone™ Type NN is a specification-grade cable pulling lubricant that demonstrates superior performance, particularly friction reduction in HDPE conduits and conduits containing water. Type NN provides continuous lubrication on long pulls.



Easy-to-pour 2.5-gallon jugs



Great for residential URD installations

[polywater.com](http://polywater.com) | 651-430-2270

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**Polywater**®  
Corporation



Pouring lube into a conduit stub-up



Packaging designed to be poured

## Package and Application Options

Polywater + Silicone is a specially formulated thin film lubricant that coats cables evenly throughout long cable pulls. Type NN is available in a Regular Grade and Winter Grade. Polywater + Silicone can be pumped using the LP-D5 drill-powered pump, making it ideal for long-distance cable installations.

### POLYWATER + SILICONE

Catalog #	Package Description	Units/Case
NN-128 / WNN-128	1-gal. jug (3.8 liters)	4
NN-320 / NA	2½-gal. jug (9.5 liters)	2
NN-640 / WNN-640	5-gal. pail (18.9 liters)	1
NN-DRUM / WNN-DRUM	55-gal. drum (208 liters)	1

\* W in the catalog number indicates Winter Grade version.

### SPECIFICATIONS AND APPLICATIONS:

- **Cable Compatibility:** Passes IEEE 1210 physical and electrical testing on a wide variety of cable materials. Cable manufacturer approvals available upon request.
- **Friction Testing:** Shows excellent lubricity on a variety of cable jacket types. Using HDPE conduit, the following COFs were measured: LLDPE .05, PVC .08, XLPE .07, CPE .08, PP .07. Method described in "Coefficient of Friction Measurement on Polywater's Friction Table, 2007." Typical values determined using 200 lbs./ft. normal force.
- **Coatability:** Polywater + Silicone NN will wet out evenly on cable jacket surfaces. Using the Telcordia test procedure TR-TSY-00356 Sections 4.1.3 and 4.1.4, a cable was subjected to 5 separate pulling cycles through a water-filled duct and the COF was measured showing excellent friction reduction and lubricant adherence to the cable.
- **Temperature Range:** Has a wide temperature use range: 20°F to 120°F (-5°C to 50°C). Polywater WNN (Winter Grade): -20°F to 120°F (-30°C to 50°C).

#### CONTACT US

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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.

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