



**Polywater<sup>®</sup>**  
Solutions at work.







Polywater

# Solutions at work.

We help companies in the electrical and communications industries solve specific, field-based infrastructure problems. Collaborating. Digging deeper. All to find the right solution, from the start.



## Behind the scenes and in the field.

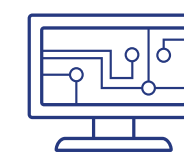
Whether it is new construction, infrastructure upgrades, or grid and network maintenance, companies have relied on us for more than a product solution. Unlike other specialty-chemical manufacturers, Polywater provides:



Extensive  
Industry  
Knowledge



Unmatched  
Technical  
Expertise



Exceptional  
Planning  
Resources



Superior  
Specialty-Chemical  
Products

LUBRICANTS

SEALANTS & ADHESIVES

CLEANERS

SPECIALTY

It is the access to this **total support** of resources—from products to customer care—that has helped companies build and maintain more reliable systems, reduce costs, protect and maximize the life of critical assets, and support their safety and sustainability goals.





# Lubricants

In 1973, we revolutionized cable pulling with our line of innovative, water-based lubricants. Since then, we've continued to innovate, creating lubricants for every type of wire and cable imaginable and by making the planning of large-scale cable pulls smarter with the Polywater<sup>®</sup> Pull-Planner<sup>™</sup> Software.

## **Polywater Lubricants:**

- Greatly Reduce Friction
- Help Achieve Longer Pulls
- Lower Sidewall Pressures and Ending Tensions
- Minimize Cable Damage
- Are Safe for Workers and the Environment



# Polywater®

## Prelube 2000™

FIBER OPTIC CABLE BLOWING LUBRICANT



Increases Installation Distance When Blowing Fiber Optic Cable



### FEATURES AND BENEFITS

- ULTRA-LOW FRICTION**  
Increases blowing distance with ultra-low coating thickness
- TESTED AND APPROVED**  
Endorsed and recommended by most blowing equipment manufacturers for reliable and efficient operation of equipment
- COMPATIBLE WITH CABLE JACKETS**  
Suitable for a variety of cable jackets and ducts including HDPE and PE
- CLEAN APPLICATION**  
Leaves minimal residue and will perform even when dry
- WINTERGRADE FORMULA**  
Version for sub-freezing temperatures available

### Blowing Lubricant for Air-Assisted Installation of Fiber Systems

Polywater® Prelube 2000™ is a high-performance lubricant developed for pre-lubricating duct and cable. Its efficient coating thickness reduces frictional drag to increase the speed and continuous distance that cable and innerduct can be installed. Polywater Prelube 2000 is recommended for installation of fiber cable networks and approved by many equipment manufacturers, network owners, contractors and blowing teams.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
P-35 / WP-35	1 qt (0.95 L) Bottle	12
P-128 / WP-128	1 gal (3.8 L) Jug	4
P-640 / WP-640	5 gal (18.9 L) Pail	1

W in the catalog number indicates Winter Grade version.

### SPECIFICATIONS AND APPLICATIONS

- Cable Compatibility:** Passes all compatibility tests for PE jacketed cables.
- Cost Effectiveness:** Offers significant cost savings over “factory-lubricated” duct.
- Safe:** Non-hazardous and residue is not combustible.
- Approved:** Used in networks globally and promoted by equipment manufacturers
- For More Information, View the [Technical Data Sheet](#)**





# Polywater®

## Prelube 5000™

### MICROCABLE BLOWING LUBRICANT



Increases Installation Distance When Blowing Fiber Optic Microcable



### FEATURES AND BENEFITS

- REDUCES FRICTION**  
 Increases blowing distance by ultra-thin coating levels
- EASY TO USE**  
 Simply squeeze into micro ducts before blowing fiber optic cable
- TESTED AND APPROVED**  
 Endorsed and recommended by most blowing equipment manufacturers for reliable, cost-effective operation of equipment
- COST EFFECTIVE**  
 Efficient low coating levels allow long distance installations
- LONG LASTING LUBRICATION**  
 Dried lubricant remains slippery and makes the removal of cables easy

### Blowing Lubricant for Air-Assisted Installation of Fiber

Polywater® Prelube 5000™ is formulated especially for reducing frictional drag during the blowing of fiber optic microcable into micro ducts. Its chemistry enables this product to spread farther in the micro duct and reduce friction with extremely low coating levels Polywater Prelube 5000 provides superior performance and is recommended by many equipment manufacturers, network owners and cable installation contractors.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
PM-8	8 fl oz (240 ml) Squeeze Bottle	6
PM-8PE	8 fl oz (240 ml) Squeeze Bottle	24
PM-16	16 fl oz (470 ml) Squeeze Bottle	15

### SPECIFICATIONS AND APPLICATIONS



- Viscosity:** Specifically formulated for use in micro ducts.
- Compatibility:** Passes all tests for compatibility with PE jacketed cables.
- Safe:** Prelube 5000 is non-hazardous and residue is non-combustible.
- Approved:** Used in networks globally and promoted by equipment manufacturers.
- For More Information, View the [Technical Data Sheet](#)



# Polywater®

## FTTx Lubricant

SILICONE-ENHANCED LUBRICANT



For larger applications, FTTx can be sprayed with an air-pressurized industrial sprayer

A cleaner way to reduce friction for your communication cable installation



### FEATURES AND BENEFITS

- HIGH PERFORMANCE**  
Maximum friction reduction with ultra-thin coating levels
- EASY TO USE**  
Spray or wipe application that dries quickly
- PRECISE APPLICATION**  
Cleaner pull process when compared to traditional wax and gel lubricants
- LOW FRICTION RESIDUE**  
Long-lasting residue continues to lubricate even when dry
- COMPATIBLE**  
Suitable for a variety of cable jacket types

### Lowest Tensions in Fiber Drops, Data, and OSP Cable Installations

Polywater® FTTx is a highly concentrated sprayable lubricant that greatly reduces cable friction with only a thin coating. The convenient application makes it a cleaner process compared to traditional wax and gel lubricants. Suitable for all types of communication cable and provides the lowest tensions in fiber drops, pushing cable, and data and OSP cable installations.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
FTTx-D20	20-Count Dispenser of 5" x 8" (13 cm x 20 cm) Premoistened Wipes	12
FTTx-35LR	1 qt (0.95 L) Bottle with Sprayer	12
FTTx-128	1 gal (3.8 L) Jug	4
FTTx-640	5 gal (18.9 L) Pail	1

### SPECIFICATIONS AND APPLICATIONS



- Cable Compatibility:** Meets Telcordia GR-356-CORE; *Generic Requirements for Optical Cable Innerduct, Associated Conduit, and Accessories.*
- Compliant:** Meets Plastics Pipe Institute MS-5: *Model Specification for HDPE Solid Wall Conduit for Power and Communications Applications.*
- Combustibility:** FTTx has no flash point and dried residue is non-flammable.
- High-Performance Data Cables:** FTTx has a minimal effect on the data-carrying capacity of high-speed Cat. 5E, 6, and 6A copper cable. As a “thin film” lubricant, FTTx prevents cable signal attenuation caused by gels.
- For More Information, View the [Technical Data Sheet](#)



# Polywater®

## F Lubricant

POURABLE WATER-BASED PULLING LUBRICANT



A high-performing, pourable lubricant ideal for longer underground communications cable pulls



### FEATURES AND BENEFITS

- POURABLE**  
 Can be poured into innerducts and feeder tubes
- COVERAGE**  
 Evenly coats cable jackets, while lubricating at all points of a long cable run
- COMPATIBLE**  
 Avoid weakened or cracked cable jackets
- SLOW DRYING**  
 Leaves a slippery residue for lasting lubrication

### Pourable, High-Performing Friction Reduction on Longer Pulls

Polywater® F Lubricant is for pulling underground fiber optic cable, coaxial, and copper-pair cable, which require low tension pulling. The pourable liquid formula wets and clings to cables and evenly coats the jacket surface to greatly reduces friction on longer-distance pulls.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
F-35 / WF-35	1 qt (0.95 L) Bottle	12
F-128 / WF-128	1 gal (3.8 L ) Pail	4
F-320 / WF-320	2½ gal (9.6 L) Jug	2
F-640 / WF-640	5 gal (18.9 L) Pail	1
F-DRUM / WF-DRUM	55 gal (208 L) Drum	1

W in the catalog number indicates Winter Grade version.

### SPECIFICATIONS AND APPLICATIONS



- Cable Compatibility:** Meets Telcordia GR-356-CORE; *Generic Requirements for Optical Cable Innerduct, Associated Conduit, and Accessories*. No stress cracking on polyethylene and polycarbonate.
- Flammability:** Lubricant has no flash point and dried residue is not combustible.
- For More Information, View the [Technical Data Sheet](#)



# Polywater®

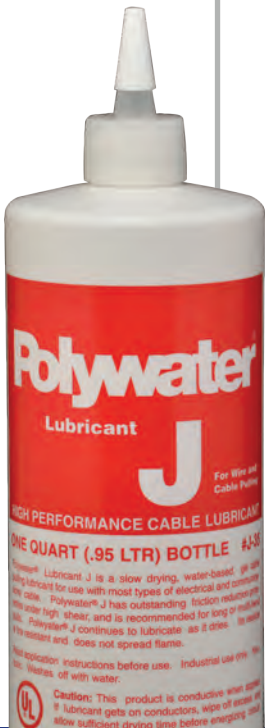
## J Lubricant

WATER-BASED GEL PULLING LUBRICANT



Can be used with the Polywater® LP-D5 drill-powered pump

The proven, high-performance cable lubricant for heavy cable installations



### FEATURES AND BENEFITS

- **SUPERIOR FRICTION REDUCTION**  
For low cable pulling tensions
- **HIGH CLING FACTOR**  
Remains on cable jacket throughout the installation
- **FIELD-FRIENDLY APPLICATION**  
Can be pumped with the LP-D5 drill-powered lubricant pump, hand applied, or deployed with Front End Packs™
- **CLEAN AND NON-STAINING**  
Minimize clean-up time, especially in finished indoor use
- **UL/ULC CERTIFICATION**  
Certified by independent 3<sup>rd</sup> party laboratory

### The Most Used Lubricant for Over 30 Years

A vast amount of underground electrical and communications cable has been pulled over the past three decades using Polywater® J Lubricant. The high-performing, slow-drying, and clean nature of this water-based gel lubricant provides maximum tension reduction in all types of cable pulling. It is both a proven and popular choice for long and multiple-bend cable pulls.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
J-35 / WJ-35	1 qt (0.95 L) Bottle	12
J-99 / WJ-99	1 qt (0.95 L) Front End Pack™ in a Pail	16
J-110 / WJ-110	½ gal (1.9 L) Front End Pack™ in a Pail	10
J-128 / WJ-128	1 gal (3.8 L) Pail	4
J-640 / WJ-640	5 gal (18.9 L) Pail	1
J-DRUM / WJ-DRUM	55 gal (208 L) Drum	1

W in the catalog number indicates Winter Grade version.

### SPECIFICATIONS AND APPLICATIONS



Front End Pack™



Packages for different installation environments

- **Cable Compatibility:** Meets Telcordia GR-356-CORE; *Generic Requirements for Optical Cable Innerduct, Associated Conduit, and Accessories.*
- **Friction Testing:** Polywater J shows superior friction reduction on a variety of jacket types.
- **Properties:** High cling factor on cable jackets, has no flash point and dried residue will not support combustion.
- **Approvals:** UL and CSA Listed.
- **For More Information, View the [Technical Data Sheet](#)**



# Polywater<sup>®</sup>

## + Silicone<sup>™</sup> Lubricant

### SILICONE-ENHANCED CABLE PULLING LUBRICANT



The premier lubricant for heavy, underground transmission cable and complex pulls



### FEATURES AND BENEFITS

- COMPLEX PULLS**  
 Preferred lubricant for critical, underground transmission installations
- WATER RESISTANT**  
 Reduces tension even when pulling through water and does not wash off
- HIGH CLING FACTOR**  
 Evenly coats and stays on cable jacket during application
- VERY LOW FRICTION**  
 Consistently low friction when pulling through HDPE ducts, PVC conduits and PE jackets
- NON-FREEZING FORMULA**  
 Polywater<sup>®</sup> +Silicone<sup>™</sup> Type WNN can be used for cold weather pulling

### The Longest Cable Pulls Made Simple

Polywater<sup>®</sup> + Silicone<sup>™</sup> Type NN Lubricant provides superior friction reduction for the most difficult and longest pulls. The #1 choice for underground transmission cable pulls, especially for critical installations and pulls in wet environments. It is slow drying and leaves a thin, slippery film that retains its lubrication for months after installation.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
NN-128 / WNN-128	1 gal 3.8 L (3.8 L) Jug	4
NN-320 / NA	2½ gal (9.5 L) Jug	2
NN-640 / WNN-640	5 gal (18.9 L) Pail	1
NN-DRUM / WNN-DRUM	55 gal (208 L) Drum	1

W in the catalog number indicates Winter Grade version.

### SPECIFICATIONS AND APPLICATIONS



Consider using the Polywater LP-D5 drill-powered pump to make application easier for long-distance cable installations

- Cable Compatibility:** Meets Telcordia GR-356-CORE; *Generic Requirements for Optical Cable Innerduct, Associated Conduit, and Accessories.*
- Friction Testing:** Polywater NN shows superior friction reduction on a variety of jacket types.
- Properties:** Polywater + Silicone will evenly coat cable jacket surfaces and will keep its low friction coefficient even after contact with water in ducts.
- Application:** Can be poured, pumped or hand applied.
- For More Information, View the [Technical Data Sheet](#)



# Polywater<sup>®</sup>

## LZ Lubricant

HIGH PERFORMANCE UNIVERSAL CABLE PULLING LUBRICANT



Can be used with the Polywater<sup>®</sup> LP-D5 drill-powered pump

Provides high-performing friction reduction and combustion resistance while working with all cable jacket materials



### FEATURES AND BENEFITS

- UNIVERSALLY COMPATIBLE**  
 Suitable on all cable jackets and specifically designed for LSZH/LSHF, CPE, CSPE, fire-rated, and plenum cable jackets
- LOW FRICTION COEFFICIENT**  
 Low tensions reduce risk of cable damage to ensure long-term integrity of cable networks
- SPECIFICATION GRADE**  
 Meets performance requirements for power and industrial plants, mass-transit systems, high-occupancy buildings, airports and data centers
- HIGH CLING FACTOR**  
 Stays on cable jacket during application

### A Pulling Lubricant for All Cable Jackets

In addition to inherently low coefficient of friction, Polywater<sup>®</sup> LZ is the only pulling lubricant developed, tested, and specified for installations of LSZH/LSHF cable in conduits where fire propagation is a concern. Designed to meet the requirements of critical power infrastructure and public transportation like mass transit systems and airports.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
LZ-35/WLZ-35	1 qt (0.95 L) Bottle	12
LZ-128/WLZ-128	1 gal (3.8 L) Pail	4
LZ-640/WLZ-640	5 gal (18.9 L) Pail	1

W in the catalog number indicates Winter Grade version.

### SPECIFICATIONS AND APPLICATIONS



Available in packages for different installation environments

- Cable Compatibility:** Passes IEEE 1210 physical and electrical testing. Meets Telcordia GR-356-CORE; *Generic Requirements for Optical Cable Innerduct, Associated Conduit, and Accessories*.
- Approval:** UL Listed. UL Listed to Canadian safety standards.
- For More Information, View the [Technical Data Sheet](#)



# Polywater®

## CPL Lubricant

POURABLE PULLING LUBRICANT



A pourable cable pulling lubricant that is compatible with all cable jackets in the communications industry



### FEATURES AND BENEFITS

- LOW FRICTION COEFFICIENT**  
 Low tensions reduce risk of cable damage to ensure long-term integrity of cable networks
- SPECIFICATION GRADE**  
 Meets performance requirements in outside plant applications
- SAFE**  
 Will not cause deterioration of LSZH fire-retardant cables
- LOW VISCOSITY**  
 Makes pouring lubricant faster and easier
- LASTING**  
 Dries slippery and will not cement cables to conduit

### A Lubricant for all Cable Materials and Applications

Polywater®CPL Lubricant offers low coefficient of friction for all long OSP cable pulls. Pourable Polywater® CPL should be specified for installations of fire-rated communication cables, which can be easily damaged by high pull tension during installation. It has superior combustion resistance and proven compatibility with all cable and conduit materials.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
NA / WCPL-35	1 qt (0.95 L) Bottle	12
CPL-128 / WCPL-128	1 gal (3.8 L) Pail	4
CPL-640 / WCPL-640	5 gal (18.9 L) Pail	1

W in the catalog number indicates Winter Grade version.

### SPECIFICATIONS AND APPLICATIONS



Available in packages for different installation environments

- Cable Compatibility:** Meets Telcordia GR-356-CORE; *Generic Requirements for Optical Cable Innerduct, Associated Conduit, and Accessories.*
- Friction Testing:** Offers low coefficients of friction on a wide range of cable jacket and duct materials for superior friction reduction.
- Physical Properties:** Pourable. Dries slippery. Contains no waxes or grease. Will not cement cables to conduit.
- Applications:** Long installations with many bends where superior friction reduction is critical.
- For More Information, View the [Technical Data Sheet](#)**



# Polywater®

## CGL Lubricant

UNIVERSALLY COMPATIBLE GEL PULLING LUBRICANT



A high-performance lubricant compatible with all cable jackets in the communications industry



### FEATURES AND BENEFITS

- LOW FRICTION COEFFICIENT**  
 Tension reduction on all types of cable jackets
- HIGH CLING FACTOR**  
 Clings to jacket for better lubrication on long runs
- SPECIFICATION GRADE**  
 Meets performance requirements in outside plant and premise applications
- CLEAN**  
 Contains no grease or waxes and will not cement cables in conduit
- COMPATIBLE**  
 Including LSZH/LSHF, fire-rated, and plenum cable jackets

### A Pulling Lubricant for All Cable Jackets

Polywater® CGL Lubricant is slow drying gel cable pulling lubricant that leaves a thin, slippery film that retains its lubricity for months after use. Polywater CGL does not sustain flame and is suitable for use with fire-retardant cables and systems. Its dried residue is nonconductive and noncombustible. Ideal for fiber optic, copper or coaxial cable pulls.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
CGL-35 / WCGL-35	1 qt (0.95 L) Bottle	12
CGL-128 / WCGL-128	1 gal (3.8 L) Pail	4
CGL-640 / WCGL-640	5 gal (18.9 L) Pail	1

W in the catalog number indicates Winter Grade version.

### SPECIFICATIONS AND APPLICATIONS

- Cable Compatibility:** Meets Telcordia GR-356-CORE; *Generic Requirements for Optical Cable Innerduct, Associated Conduit, and Accessories.*
- Approval:** UL Listed. UL Listed to Canadian safety standards.
- For More Information, View the [Technical Data Sheet](#)**





DRILL-POWERED LUBRICANT PUMP



A clean and efficient way to pump cable pulling lubricant from pails and drums

FEATURES AND BENEFITS

- **CLEAN**  
Eliminates hand scooping, hand pouring and lengthy clean-ups
- **EFFICIENT**  
Provides labor savings with consistent lubrication with less effort when pulling cable
- **VERSATILE**  
Lubricants can be pumped into vertical or horizontal conduits
- **ADJUSTABLE**  
Works with a variable-speed drill (not included) to pump at appropriate rate based on cable size and pulling speed
- **CORROSION RESISTANT**  
Solid brass body with stainless steel shaft, which is not affected by water-based lubricants

Makes Cable Lubrication Clean and Efficient

Polywater® LP-D5 Lubricant Pump is a drill-operated, self-priming gear pump. It pumps all varieties of Polywater lubricants directly into conduit or onto cable at optimal rates for different duct sizes and pulling speeds.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
LP-D5	Drill-powered lubricant pump *Drill not included	1

The package contains the pump, 10 foot (4.7 m) discharge hose, an additional extension tube for 55-gallon (208 l) drums, and the two lubricant applicators.



SPECIFICATIONS AND APPLICATIONS

- **Operation:** Designed for 5-gallon (18.9 l) pails with extension for 55-gallon (208 l) drums. Easy to clean with water.
- **Power Source:** Uses ½-inch, variable speed drill. Can be modified for alternative power source.
- **Pumping Rate:** Dispenses up to 6 quarts of lubricant per minute (up to 6 liters per minute).
- **Lightweight:** Weighs less than 7 lbs (3 Kg) for easy transfer and portability.
- **For More Information, View the [Product Flyer](#)**



# Polywater®

## CableFree® Loosener

CABLE REMOVAL AGENT



Polywater CableFree can be poured into duct

Safe and effective  
conduit reclamation



### FEATURES AND BENEFITS

- DISSOLVES**  
Softens a wide variety of binding materials
- LOOSENS**  
Releases cables stuck in ducts
- LUBRICATES**  
Eases the removal of cables
- SAVES**  
Minimizes damage and duct reclamation costs
- EFFICIENT**  
Creates space in duct for new cable placement

### Reclaim Ducts

Recover conduits with Polywater® CableFree® Loosener. Dissolves wax-based lubricant, rust, soap, mud, and other adhesive residues to make removal of cables in ducts easy and effective. Reduce project costs by regaining space in existing conduits for the installation of new cables.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
CF-35	1 qt (0.95 L) Bottle	12
CF-128	1 gal (3.8 L) Jug	4
CF-640	5 gal (18.9 L) Pail	1



Polywater CableFree can also be dispersed with compressed air



### SPECIFICATIONS AND APPLICATIONS

- Dissolve old-style lubricants:** Soften old-style wax or petroleum-based lubricants hardened over time.
- Compatibility:** Meets NEC Codes for Removal of Abandoned Cable: Articles 800.2, 800.52(1), & 770.2.
- For More Information, View the [Product Flyer](#)**



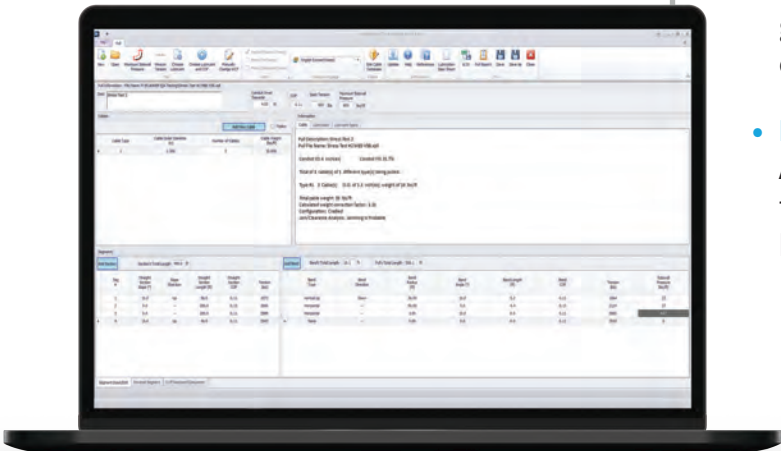
# Polywater®

## Pull-Planner™ 4.0

CABLE PULLING, TENSION CALCULATION, AND CONDUIT SYSTEM DESIGN SOFTWARE



Makes the Planning of Complex, Large-Scale Cable Pulling Designs Easier and More Efficient



### FEATURES AND BENEFITS

- VERSATILE**  
 Contains most common communication and electrical cable and conduit types
- CUSTOMIZED DATABASE**  
 Unlimited number of cables can be logged in easy-to-use database
- MINIMIZE RISK**  
 Provides coefficient of friction (COF) guidance to reduce risks during cable pulls
- FLEXIBLE**  
 Allows for push/pull, variable friction, roller use, pull reversal, back calculation of COF, and more

### Confidently and Accurately Achieve Longer Pulls

Polywater® Pull-Planner™ 4.0 for Windows® utilizes industry standards to calculate cable pulling tensions and sidewall pressure around bends. The application helps you save time and money by verifying calculations, minimizing splices and vaults, pulling set-ups, and reducing the chance of cable damage. An excellent resource for cable system specification and planning conduit systems prior to the pull.

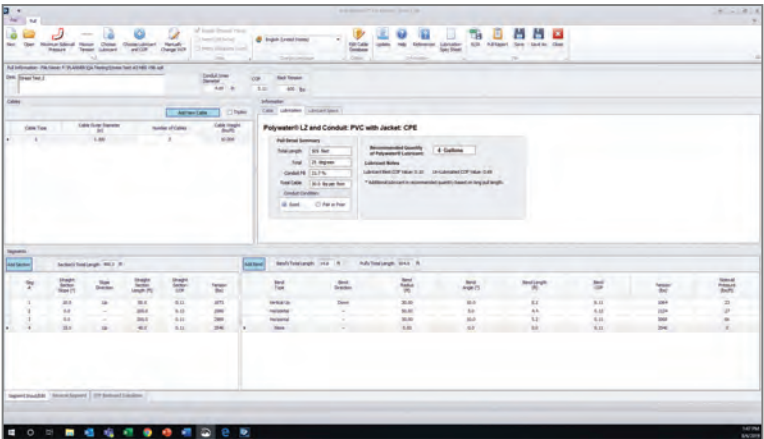
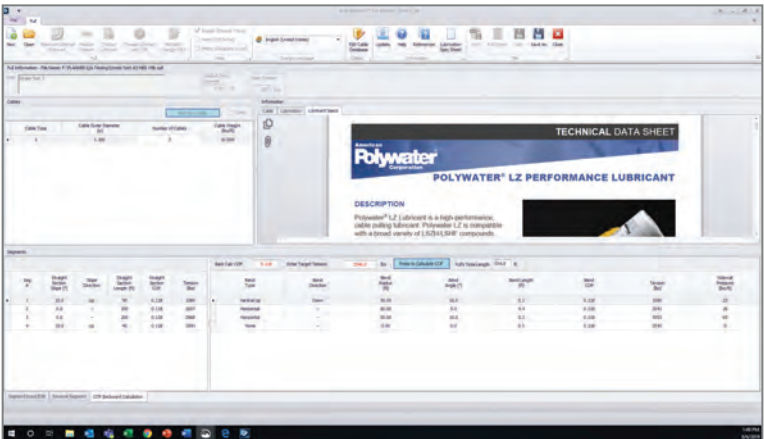


CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
PP-40	Internet Download	1

### SPECIFICATIONS AND APPLICATIONS

- Available in four languages: English, Spanish, German, and French
- Runs metric or English units.
- Accessible as an internet download
- Operates on standard Windows® and allows for exporting data to Excel for printing, saving, and documenting
- Pull-Planner 4.0 accepts pull and cable data saved under previous Pull-Planner software versions

Learn more about the Polywater Pull-Planner and request a [download](#)







# Sealants and Adhesives

Polywater makes a number of innovative specialty adhesives and sealants used in electrical, communications, gas, sewer and water construction and maintenance.

## Polywater Sealants and Adhesives:

- Increase Infrastructure Reliability
- Extend the Life of Critical Assets
- Harden Systems Against Storm Damage
- Prevent Service Outages
- Protect Conduit and Raceway Systems
- Provide an Option to Repair vs. Replace
- Field and User Friendly
- Reduce Maintenance Costs





# FST™ Foam Duct Sealant Family

2-PART, CLOSED-CELL FOAM SEALANT



A proven track record for providing durable and reliable protection in the toughest environments



## FEATURES AND BENEFITS

- **RELIABLE**  
Holds 22 ft (6.7 m) continuous water head pressure and up to 90 ft (27 m) surges
- **VERSATILE**  
Can seal conduits of all sizes and and complex cable configurations
- **RE-ENTERABLE**  
Seal can be removed for future cable installations
- **COMPATIBLE**  
Use with a wide range of cable jacket and conduit materials
- **MEETS CODE REQUIREMENTS**  
Creates airtight/watertight conduit seals and is fire retardant

## Protects Conduit and Raceway Systems

Polywater® FST™ Foam Duct Sealant is used to protect mission-critical electrical and telecommunication systems from water, gases, and other unwelcome intrusions. The closed-cell, foam sealant technology evenly flows around cables and in conduit space to create a strong bond. It expands and completely cures into a rigid, robust seal without relying on environmental moisture.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
FST-250KIT1	Kit Includes: FST Cartridge 250 ml, 3 Mixing Nozzles, Foam Damming Strips, Sanding Cloth, Gloves, Positioning Rod, Cleaning Wipe, Resealing Cap and Instruction Sheet  TOOL-250 NOT INCLUDED. SOLD SEPARATELY.	1
FST-250KIT	Same as Kit Above in a Case of 6	6
FST-250	FST Cartridge 250 ml, Mixing Nozzle and Resealing Cap	12
MXR-30T-10	10-Pack of Mixing Nozzles for FST-250	1
TOOL-250	High-Ratio Caulking Tool for FST-250	1
FST-DAM	Foam Damming Strip 24 inch (61 cm)	24
FST-MINI-1	Kit Includes: FST Cartridge 50 ml, Mixing Nozzles, Foam Discs, Gloves, and Instruction Sheet	1
FST-MINI-1G*	FST-MINI-1 with Dispensing Tool	1
FST-MINI-B6	Case with 6 FST-MINI-1	1
FST-MINI-B6G*	FST-MINI-B6 with 1 Dispensing Tool	1
TOOL-50-11	Dispensing Tool for FST MINI	1
MXR-20T-10	10-Pack of Mixing Nozzles for FST MINI	1

\*NOT AVAILABLE OUTSIDE THE U.S.A.

## SPECIFICATIONS AND APPLICATIONS



- **Application:** Polywater FST-250 is recommended for conduits of 2 inches (50 mm) or larger. Polywater FST™ MINI is recommended for conduits less than 2 inches (50 mm).
- **Codes:** Meets most countries' electrical codes. Creates air/watertight seals and is self-extinguishing. Both the TDMM and TIA recommend that all conduits entering buildings are sealed. Check local codes for performance criteria. Meets 2011, 2014, 2017, 2020 NEC Articles 225.27, 230.8, 300.5(G), 300.7 (A), 501.15 (b)(2) on Raceway Seals. Complies with TIA-758-B Standard 5.1.1.2.8, 5.4.2.3 and 7.4.2.8.1.
- **Materials:** Bonds to PVC, GRS, EMT, IMC fiberglass and PE conduits.
- **Fire Retardant:** Polywater FST is a UL recognized component and passed UL 94 with a Class HBF fire retardant rating.
- **For More Information, View the [Technical Data Sheet](#)**



CLOSED-CELL FOAM AEROSOL DUCT SEALANT



An easy-to-use, fast setting and durable seal for system-hardening



FEATURES AND BENEFITS

- **QUICK & EASY INSTALLATION**  
Complete foam application in seconds, cures in minutes
- **RELIABLE**  
Closed-cell structure protects cable network with 10 ft (3 m) of continuous water head pressure
- **RE-ENTERABLE**  
Easily removed to facilitate new cable installation or old cable removal
- **SUPERIOR ADHESION**  
Strong bond to common duct and cable jacket materials
- **MULTIPLE-USE CAN**  
Good for several seals in all duct types

Fast and Durable

Polywater® AFT™ two-part foam seals cable networks with faster installation time and higher performance when compared to duct putty or insulating hardware store foams. Polywater AFT expands and cures in minutes to create a rigid, airtight and watertight seal. It is compatible with all cable jackets and bonds to a variety of materials in a range of applications such as conduits, riser poles, U-guards, raceway entrances and more.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
AFT-16P4*	16 oz (480 ml) Can; 2 Actuators	4
AFT-16*	16 oz (480 ml) Can; 2 Actuators	15
AFT-SAE10	10 Pack of Actuators with Standard Extension Tube	1

\*RESTRICTIONS APPLY FOR AIR AND OCEAN SHIPMENT

SPECIFICATIONS AND APPLICATIONS



- **Fire Retardant:** Polywater AFT is a UL recognized component and passed UL 94 with a Class HBF fire retardant rating.
- **Codes:** Meets most countries' electrical codes. Creates air/watertight seals and is self-extinguishing. Both the TDMM and TIA recommend that all conduits entering buildings are sealed. Check local codes for performance criteria. 2011 NEC Articles 225.27, 230.8, 300.5(G), 300.7 (A) on Raceway Seals. Complies with TIA-758-B Standard 5.1.1.2.8, 5.4.2.3 and 7.4.2.8.1
- For More Information, View the [Technical Data Sheet](#)





CLOSED-CELL FOAM DUCT SEALANT



Fast and efficient way  
to seal small conduits  
and communication  
innerducts



FEATURES AND BENEFITS

- **PROTECTS**  
Keeps water, gases, and rodents out of conduits
- **QUICK**  
Installs in just 45 seconds
- **RE-ENTERABLE**  
Once installed, can be quickly removed and resealed if necessary
- **MULTIPLE SEALS**  
One kit seals up to five 2" (50 mm) conduits
- **COMPATIBLE**  
Safe to use with cable jacket and conduit materials
- **COMPLIANT**  
Meets most countries' electrical codes and performance standards

Innovative Zip-Disc system

Polywater<sup>®</sup> ZipSeal<sup>™</sup> Duct Sealant is a two-part, high-expansion foam duct sealing system that is quick to install and easy to remove. The innovative Zip-Disc<sup>™</sup> damming system makes it easy to seal 2-inch and smaller conduits both horizontally and vertically.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
ZIP-50KIT1	Kit Includes: 50 ml Cartridge, Mixing Nozzles, 5 Zip-Discs, Gloves and Instruction Sheet	1
ZIP-50KIT1G*	ZIP50KIT1 with Dispensing Tool	1
ZIP-50KITB6	Case with 6 ZIP-50KIT1	1
ZIP-50KITB6G*	ZIP-50KITB6 with 1 Dispensing Tool	1
TOOL-50-11	Dispensing Tool for 50 ml Cartridge	1
MXR-20T-10	10 pack of Mixing Nozzles	1

\*NOT AVAILABLE OUTSIDE THE U.S.A.



Contents of the ZIP-50KIT1 Kit

SPECIFICATIONS AND APPLICATIONS

- **Compliant:** Meets most countries' electrical codes. Creates air/watertight seals and is fire retardant. Both the TDMM and TIA recommend that all conduits entering buildings are sealed. Check local codes for performance criteria. 2011 NEC Articles 225.27, 230.8, 300.5(G), 300.7 (A) on Raceway Seals. Complies with TIA-758-B Standard 5.1.1.2.8, 5.4.2.3, and 7.4.8.1.
- **Water head:** Holds up to 10 feet (3.0 m) water head pressure.
- **Compatible:** For use with common cable jacket and conduit materials.
- **For More Information, View the [Technical Data Sheet](#)**



POLYETHYLENE CONDUIT ADHESIVE



Creates strong, long-lasting bonds between HDPE conduit and other materials



FEATURES AND BENEFITS

- **SUPERIOR**  
Stronger pullout strength than most mechanical couplings
- **VERSATILE**  
Bonds HDPE to PVC, rigid steel, and fiberglass conduits and fittings (transitions)
- **FAST AND DURABLE**  
Bonds with high strength within an hour
- **EASY**  
Requires no special training
- **CONVENIENT**  
Kit contains all application components required for a quick installation

Creates Strong, Long-Lasting Bonds

Polywater® BonDuit® Conduit Adhesive joins polyethylene duct (PE pipe) to PVC, fiberglass, or metal conduits using standard PVC couplings. This rapid-cure, two-part resin adhesive forms a strong watertight and airtight seal. The bond is durable and makes conduit transition joints strong enough to withstand movement, vibration, and air pressure while blowing fiber.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
BT-KIT	Kit Includes: (2) Adhesive Cartridges, (8) Mixing Nozzles, Sanding Cloth, Cleaning Wipes, and Instruction Sheet	1
BT-KITG*	BT-KIT with Dispensing Tool	1
BT-KITB6	Case with (6) BT-KIT	1
BT-KITB6G*	Case with (6) BT-KITB with (1) Dispensing Tool	1
BT-CART12PK	Case with (12) Adhesive Cartridges, and (36) Mixing Nozzles	1
TOOL-50-11	Dispensing Tool	1
MXR-12T-10	10 Pack of Mixing Nozzles	1
BTXL-250KIT1	Kit Includes: (1) BTXL 250-mL Cartridge, (5) Static Mixtures, Gloves (5 Pairs), 24" (60 cm) 80-grit Sandpaper, Cleaning Wipes (5 RP-1L), and Instruction Sheet	1

\*NOT AVAILABLE OUTSIDE THE U.S.A.



SPECIFICATIONS AND APPLICATIONS

- **Adhesive Shear Strength:** High bond strength with pullout force exceeding 1,000 lbf (4.45 kN) for most conduit sizes.
- **Chemical Resistance:** Shows good resistance to salt water, alkaline solutions, and odorless mineral spirits.
- For More Information, View the [Technical Data Sheet](#)



PRESSURIZED CABLE LEAK REPAIR SYSTEM



A safe and convenient way to extend the life of pressurized cable infrastructure



FEATURES AND BENEFITS

- **SAFE**  
Eliminates hot lead wiping for improved safety and convenience
- **MULTIPLE USES**  
Seals air leaks in lead-sheathed cables, splice enclosures, polyethylene cable jackets, load coils, end-plates, and more
- **FAST CURE**  
Ready for pressurization within 15 minutes
- **DURABLE**  
Withstands environmental extremes with a permanent, long-lasting seal
- **ECONOMIC**  
A single craftsperson with minimal training can effectively seal multiple leaks in a day

Extends the Life of Pressurized Infrastructure

Polywater® AirRepair® is a safe, fast, and effective repair option that eliminates the need for messy and dangerous molten lead “hot wipe” repair of pressurized telephone cables and splices. It is a two-part, rapid-cure sealing system that stops air leaks in lead-sheathed cables and splice enclosures, polyethylene cable jackets, load coils, end-plates. The cured resin maintains a high level of structural integrity to ensure a long-lasting repair.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
AR-KIT	Several AR-KIT Configurations Available— Please Contact Polywater for Details	1



SPECIFICATIONS AND APPLICATIONS

- **Pre-Measured Packaging:** One kit contains enough material to seal a leak of approximately 6 square inches (39 cm²).
- **Chemical Resistant:** Chemically resistant to contaminants commonly found in vaults.
- **Vertical Sag:** Paste clings to vertical surfaces and other difficult angles common in field repairs. Once applied, it stays in place.
- For More Information, View the [Technical Data Sheet](#)



PEDESTAL SEALING FOAM BARRIER



Safeguard enclosures and equipment to prevent costly unplanned outages or service disruptions



FEATURES AND BENEFITS

- **PREVENTS**  
Keeps mice, rats, snakes, insects, and water from entering the pedestal or cabinet
- **PROTECTS**  
Cured product offers permanent protection through weather extremes
- **EASY TO USE**  
Ready to mix and apply—No water needed
- **THOROUGH SEAL**  
Flows and self-levels before expansion to seal the entire opening, including complex shapes
- **RE-ENTERABLE**  
Allows for the installation of new ducts or cables after being installed

Safeguard Enclosures and Equipment from Damage

Polywater® PedFloor™ creates a hard foam ground barrier that improves service reliability and safety by keeping out moisture and blocking pests from burrowing into enclosures. Polywater PedFloor thoroughly adheres to various pedestal and conduit materials to make a permanent seal, yet can be re-enterable if needing to install new ducts.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
PF-1	Kit Includes: PedFloor Burst Pack 750 ml, Plastic Sheet, Roll Duct Tape, Gloves, and Instruction Sheet  <i>Covers ~1 sq ft (0.09 m2), 3" (7.6 cm) thick</i>	2
PF-2	Kit Includes: PedFloor Burst Pack 1500 ml, Plastic Sheet, Duct Tape Roll, Gloves, and Instruction Sheet  <i>Covers ~2 sq ft (0.19 m2), 3" (7.6 cm) thick</i>	2
PF-3	Kit Includes: (1) Bottle Part A, (1) Bottle Part B, Mixing Pail, Plastic Sheet, Mixing Stick, Duct Tape Roll, Gloves, Instruction Sheet  <i>Covers ~0.28 m2 (3 sq ft), 7.6 cm (3") Thick</i>	1

SPECIFICATIONS AND APPLICATIONS



- **Strong:** Structural, cross-linked matrix creates a sturdy seal with a tensile strength of 101 psi.
- **Field-ready Kits:** Polywater PedFloor Foam Pedestal Sealant is supplied in kits that contain all accessories needed to create a strong protective barrier. The kits include resins, plastic containment sheet, tape, gloves, and instructions. The PF-1 and PF-3 contain premeasured containers of the two-part foam. The PF-2 and FSTBP-200B6 are "burst packs" in which the parts A & B are mixed in the flexible package after breaking the center seal of the pack.
- **For More Information, View the [Technical Data Sheet](#)**





# Cleaners

To address specific challenges in the electrical, communications, gas, and sewer/water industries, we created an entire line of specialty cleaners. Our variety of packaging options are designed to ensure ease of use and operational safety for workers in the field.

## **Polywater Cleaners:**

- Prepare All Types of Cables for Splicing or Termination
- Protect and Extend the Life of Personal Protective Equipment (PPE)
- Maintain and Prolong the Life of Essential Equipment
- Clean and Coat Insulated Fiberglass Tools and Trucks
- Prepare Polyethylene (PE) Pipe Prior To Fusion
- Increase Output of Solar Panels



# Polywater®

## Grime-Away™

### HEAVY-DUTY HAND & TOOL CLEANING WIPES



A safe, heavy-duty cleaner for hands and tools



### FEATURES AND BENEFITS

- **SUPERIOR CLEANING POWER**  
Removes the toughest dirt, grime, gels, and grease from a variety of work surfaces and all types of tools
- **DUAL-TEXTURED DESIGN**  
Ensures thorough cleaning with rough texture on one side for scrubbing and smooth on the other side for wiping
- **MOISTURIZING**  
Softens and moisturizes skin while being tough on grime
- **FIELD-FRIENDLY**  
Durable container fits easily into tool bags and trucks

### Tough on Dirt, but Field Friendly

Polywater® Grime-Away™ quickly and effectively removes, hydraulic fluids and silicone greases from vehicles, heavy machinery, tools and hands for a clean and safe working environment. Its unique water-based formulation is especially safe on skin and rubber personal protective equipment (PPE).



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
HTC-D72	72-Count Dispenser of 10" x 12" (25 cm x 30 cm) Saturated Wipes	6
HTC-1	10" x 12" (25 cm x 30 cm) Saturated Wipe	144

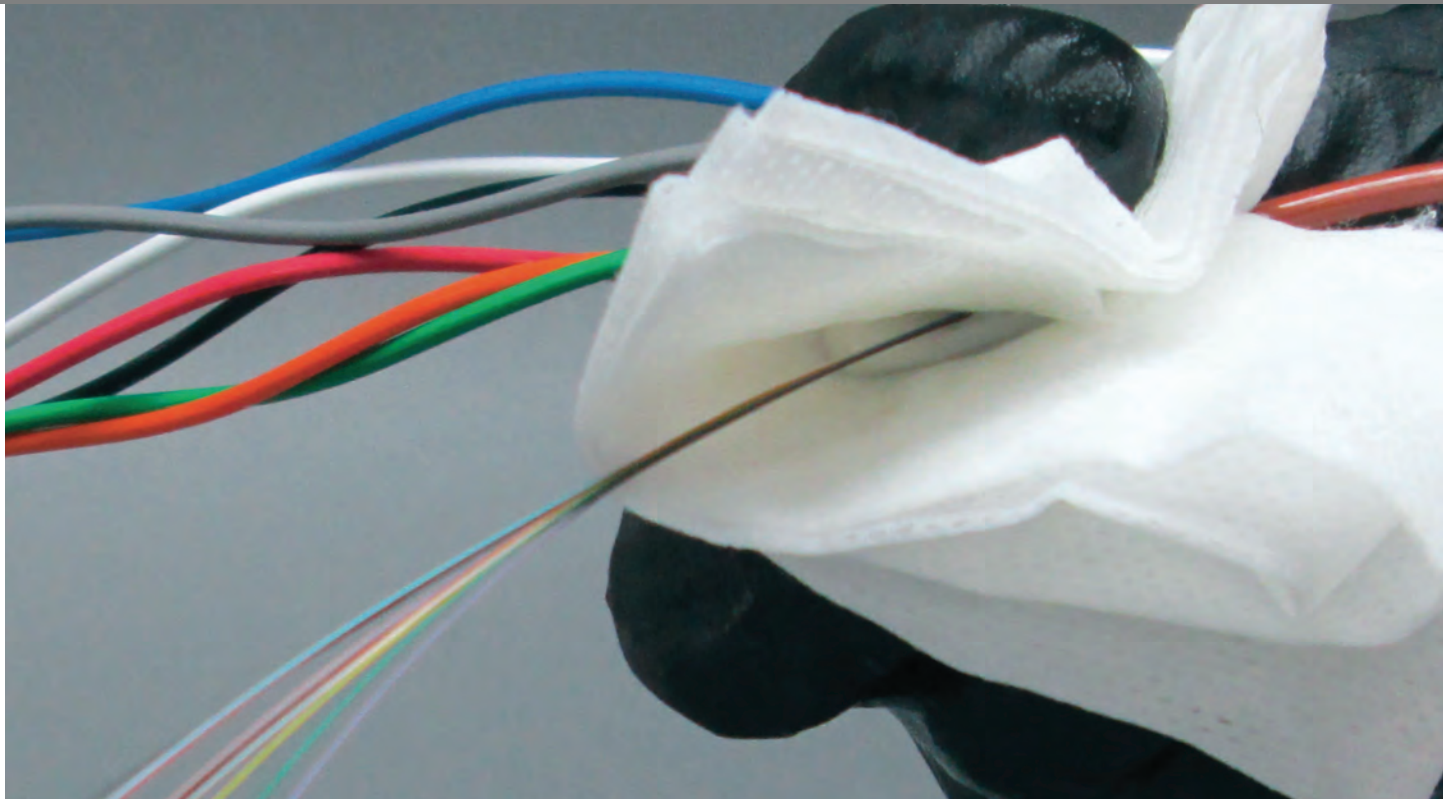
### SPECIFICATIONS AND APPLICATIONS

- **Approved:** Salisbury by Honeywell approves Grime-Away for cleaning hands that come into contact with insulating gloves (not for use on the gloves themselves). Tested and approved for compatibility with rubber insulating gloves by Salisbury by Honeywell's Criteria for Evaluating Chemicals in Contact with Salisbury Natural Rubber Lineman Equipment. Document available upon request.
- For More Information, View the [Technical Data Sheet](#)





FIBER & COPPER GEL FILLED CABLE CLEANER



A fast and effective gel remover for loose tube, ribbon, and coaxial cable



FEATURES AND BENEFITS

- **EFFECTIVE**  
Quickly removes cable filling gel and flooding compounds
- **FAST**  
Removes gel and fans fibers with only two swipes
- **RESIDUE FREE**  
Leaves no gel residue behind to remove
- **INDUSTRY TESTED**  
Approved by users and manufacturers
- **FIELD APPROVED**  
Recommended by users in the field and cable and splicing equipment manufacturers

Safe, Efficient Cleaner That Leaves No Residue

Polywater® SqueekyKleen™ quickly removes water-blocking gels and powders, leaves no residue, and fans fiber with just two swipes—making cable preparation as efficient as possible. It creates a safer working environment in splice trailers and vaults with lower vapor concentrations than alcohol. Polywater SqueekyKleen is available in various sizes and convenient packages, from single saturated towelettes to bulk liquid, to meet your needs.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
TC-1	8.5" x 11" (21.6 cm x 27.9 cm) Saturated Wipe	144
TC-D300	300-Count Dispenser of 5" x 6" (12.7 cm x 15.2 cm) Saturated Wipes	6
TC-16LF	16 oz (475 ml) Bottle with Flip-top	12
TC-35LF	1 qt (0.95 L) Bottle with Flip-top	12
TC-128	1 gal (3.8 L) Jug	4
TC-640	5 gal (18.9 L) Pail	1

SPECIFICATIONS AND APPLICATIONS



- **Compatible:** Can be used with polyethylene, polycarbonate, acrylate coating and ribbon fiber.
- **Flash Point:** The cleaner has a flash point above 140°F (60°C).
- **Compliant:** RoHS and WEEE compliant.
- For More Information, View the [Technical Data Sheet](#)



A Unique Approach in Cable Cleaning Materials

Polywater® HydraSol® is a non-flammable, water-based solvent cleaner that effectively cleans copper and fiber gel-filled cables. This cleaner quickly dissolves and removes cable filling greases. Polywater HydraSol is available in multiple package types to cover all cleaning needs.



WATER-BASED CABLE GEL REMOVER



A safe and effective cleaner for removing cable filling compounds



FEATURES AND BENEFITS

- **POWERFUL**  
Maximum solvency power that is fast and effective on PE/PJ or ETPR greases
- **EASY TO CLEAN**  
Rinses completely with water
- **SAFE**  
No chlorinated solvent, CFC, or glycol ether content
- **EFFICIENT**  
Good for multiple cleanings, thus less waste
- **CONVENIENT**  
Available in a variety of convenient packages tailored for the job

CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
HS-1	10" x 12" (25 cm x 30 cm) Saturated Wipe	144
HS-D72	72-Count Dispenser of 10" x 12" (25 cm x 30 cm ) Saturated Wipes	6
HS-16LR	1 pt (475 ml) Spray Bottle	12
HS-32LR	1 qt (0.95 L) Spray Bottle	12
HS-32	1 qt (0.95 L) Bottle with Flip Top	12
HS-128	1 gal (3.8 L) Jug	4
HS-640	5 gal (18.9 L) Pail	1

SPECIFICATIONS AND APPLICATIONS



- **Physical Properties:** Over 50% water-based solvent cleaner for unique safety and handling.
- **Low Toxicity:** Components have low toxicity whether by inhalation or dermal exposure, making it safe for use in vaults and confined spaces.
- **Tested:** Using the Solvency Power Test Method, HydraSol outperformed isopropanol and other competitors' products in cleaning effectiveness and efficiency on multiple types of gels and flooding compounds.
- **Flash Point:** 68°C (155°F), Closed Cup (PMCC).
- For More Information, View the [Technical Data Sheet](#)



FAST EVAPORATING FIBER OPTIC ENDFACE CLEANER



A fast-acting cleaner for ferrules, bulkheads, and fiber endfaces



- **EFFECTIVE**  
Cleans Fiber Endfaces to minimize signal loss and maximizes connectivity
- **NO FLASH POINT**  
Non-hazardous for air shipment
- **NO RESIDUE**  
No streaking to impede light transmission
- **EVAPORATES QUICKLY**  
Ready to reinsert or connect immediately after cleaning
- **VERSATILE**  
Cleans multi-mode and single-mode and suitable for all glass fiber

Maximize Fiber Network Performance

Polywater® QuickKleen™ fiber cleaner is formulated for fast cleaning of high-speed fiber and specialty optics. It quickly penetrates precision parts to lift drywall dust, buffer gel, lint, fingerprints, and oils. The excellent cleaning capabilities of Polywater QuickKleen minimize dB losses to maximize optical network performance.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
QC-2LP	2 fl oz (60 ml) Bottle with Pump Sprayer	12
DT-D175	175-Count Dispenser Pack of Microfiber Towelettes with Cleaning Pad	12
DT-D175R	175-Count Microfiber Towel Refill for DT-D175	6

SPECIFICATIONS AND APPLICATIONS



- **Standards:** Passes the standards of Telcordia GR 2923-CORE, “Generic Requirements for Fiber Optic Connector Cleaning Products”.
- **Safe:** Minimal toxicity and contains no listed carcinogens. Cleaner is non-flammable. Compatible with most common plastics and rubbers.
- **Compliant:** Meets RoHS and WEEE standards.
- **Temperature Use Range:** -5°C to 50°C (20°F to 120°F).
- For More Information, View the [Technical Data Sheet](#)



WATER-BASED FIBER OPTIC CLEANER



A cleaner for fiber optic termination, splicing, and maintaining fusion splicing units



FEATURES AND BENEFITS

- **NO RESIDUE**  
Made with pure deionized water so there is no residue after evaporation to affect light transmission
- **MAINTAINS EQUIPMENT**  
Prolong the life of costly fiber-splicing units by cleaning heat strippers, V-grooves, and camera lenses
- **NO TOXIC FUMES**  
No exposure to irritating solvent vapor like other common cleaners
- **SAFE FOR SHIPMENT**  
No hazardous restrictions via land or air shipping
- **NON-COMBUSTIBLE**  
Safe for use in critical areas, including data centers

Innovative Water-Based Technology

Polywater® AquaKleen™ fiber cleaner utilizes innovative water-based technology. Its excellent wetting reaches precision parts to lift dust, buffer gel, lint, fingerprints, and oils. AquaKleen dissipates static to remove surface charges so that the surface is less likely to be re-contaminated. Conveniently packaged in a small dropper or spray bottle, it works well with lint-free Polywater® FiberKleen™ towelettes—making cleaning easier and more effective.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
AQ-2LP	2 fl oz (60 ml) Bottle with Pump Sprayer	12
AQ-2DR	2 fl oz (60 ml) Bottle with Dropper Tip	12
AQ-35LF	1 qt (0.95 L) Bottle with Flip-top Cap	12
DT-D175	175-Count Dispenser of Microfiber Towelettes with Cleaning Pad	12
DT-D175R	175-Count Microfiber Towel Refill for DT-D175	6

SPECIFICATIONS AND APPLICATIONS



- **Compatibility:** Safe to use on most common plastics like polycarbonate and fiber cladding.
- **Codes:** Meets the standards of Telcordia GR 2923-CORE, “Generic Requirements for Fiber Optic Connector Cleaning Products”.
- **Compliant:** Meets RoHS and WEEE standards.
- **For More Information, View the [Technical Data Sheet](#)**



ALCOHOL FIBER OPTIC CLEANER



A convenient fiber optic cleaner with the highest quality grade cleaning alcohol



FEATURES AND BENEFITS

- **EXCELLENT SOLVENCY**  
Removes oil, dust, and other contaminants
- **NO RESIDUE**  
99.8% anhydrous isopropyl removes oil, dust, and other contaminants
- **FAST EVAPORATING**  
Minimal delay before continuing with job
- **LARGE CLEANING WIPE**  
Longer working time and more cleaning per wipe

Highest Quality Grade Cleaning Alcohol Made Convenient

Polywater® Type FO™ Fiber Optic Cleaner is great for cleaning glass fiber endfaces for better light transmission performance. It removes dust, oil, and other contaminants, while leaving no residue. Polywater Type FO is packaged in several convenient field-friendly options that allow for longer working times, minimized spill potential, and safe vapor exposure.



CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
FO-1	5" x 8" (13 cm x 20 cm ) Saturated Wipe	50
FO-16*	1 pt (475 ml) Bottle	12
FO-32*	1 qt (0.95 L) Bottle	12
FO-128*	1 gal (3.8 L) Jug	4

\*RESTRICTIONS APPLY FOR AIR AND OCEAN SHIPMENT

SPECIFICATIONS AND APPLICATIONS



- **99.8% Anhydrous Isopropyl:** Water-free for fiber optic cleaning.
- **Compatibility:** Safe for use with most common plastics and rubbers.
- **Lint free cleaning wipes:** Contains no fiber-bonding adhesives that could leave a chemical residue.
- For More Information, View the [Product Flyer](#)





# Specialty

Polywater is known for providing solutions to field-specific problems. A few of these solutions we've made into specialty products that don't fit into our other specific applications.

## Specialty Products:

- **Polywater<sup>®</sup> IceFree<sup>™</sup> Antifreeze Gel**  
Protects Infrastructure Assets from Ice Damage



ENCAPSULATING ANTIFREEZE GEL



Protects Infrastructure Assets from Ice Formation and Water Ingress



FEATURES AND BENEFITS

- **LONG-TERM PROTECTION**  
A single application lasts for multiple years
- **COMPATIBLE**  
Will not degrade fiber optic cable jackets or ducts
- **EASY TO REMOVE**  
Soft gel allows for easy repair or upgrade of infrastructure
- **ENVIRONMENTALLY FRIENDLY**  
Will not harm local plant life or water sources

Minimize Loss of Performance of Critical Infrastructure Assets

Polywater® IceFree™ is a specialty, non-freezing gel pumped into ducts containing fiber optic cables susceptible to ice-induced pressure. Such pressure creates micro-bends that increase signal attenuation and loss in fiber optic cables spanning bridge crossings or vehicle overpasses.

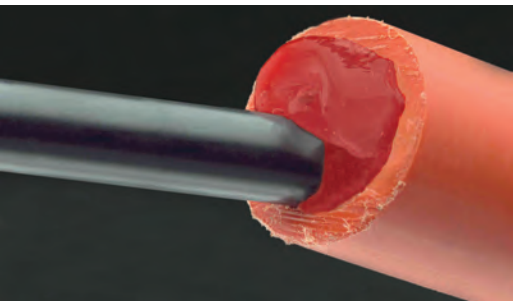


CATALOG #	PACKAGE DESCRIPTION	UNITS/CASE
WS-640	5 gal (18.9 L) Pail	1
WS-DRUM	55 gal (208 L) Drum	1
WB-86	Chemical Duct Block	6
WB-8	Chemical Duct Block	12
WH-1	48" (122 cm) Gel Insertion Hose & Valve Assembly	1

Available in field-friendly packaging including patented chemical duct block technology.

SPECIFICATIONS AND APPLICATIONS

- To Learn How to Properly Apply the Product, Read the Online [Application Instructions](#)
- To Determine How Much You Will Need, Use the: [Quantity Calculator](#)





Polywater is a leading  
specialty-chemical  
manufacturer that helps  
companies in the electrical  
and communications  
industries overcome specific,  
field-based challenges.



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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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