

COMMUNICATION PRODUCTS

CABLE BLOWING LUBRICANTS

CABLE PULLING LUBRICANTS



Polywater F

- Can be poured into innerducts
 and feeder tubes
- Consistently coats cable jackets for long cable pulls
- Leaves a slippery residue for lasting lubrication

Catalog #	Package Description	Units/Case
F-35	1-quart / 0.95-liter squeeze bottle	12
F-128	1-gallon / 3.8-liter jug	4
F-320	2.5-gallon / 9.6-liter pail	2
F-640	5-gallon / 18.9-liter pail	1
F-DRUM	55-gallon / 208-liter drum	1

*All Polywater F items are available in Winter Grade .



Polywater FTTx

- Reduces friction with ultra-thin coating level
- Cleaner than conventional gel lubes
- Prevents attenuation on highperformance data cables caused by gels
- Spray or wipe application that dries quickly

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-quart (0.95 L) bottle with sprayer	12
FTTx-128	1-gallon (3.8 L) jug	4
FTTx-640	5-gallon (18.9 L) pail	1

*Available in Winter Grade



Polywater Prelube 2000™

- Increases blowing speed and distance
- Coats duct efficiently and lubricates, even after drying
- Recommended by blowing equipment
 manufacturers

Catalog #	Package Description	Units/Case
P-35	1-quart / 0.95-liter squeeze bottle	12
P-128	1-gallon / 3.8-liter jug	4
P-640	5-gallon / 18.9-liter pail	1

*All Polywater Prelube 2000 items are available in Winter Grade



Polywater Prelube 5000[™]

- For microfiber/microduct applications
- Works at very low coating thickness and allows long-distance installations
- Evenly coats microduct with an ultra-thin layer and lubricates after drying

Catalog #	Package Description	Units/Case
PM-8	8 fluid oz / 240-ml squeeze bottle	6
PM-16	16 fluid oz / 473-ml squeeze bottle	15

CABLE REMOVAL



Polywater CableFree[®] Loosener

- Softens a wide variety of binding materials
- Releases cables stuck in conduits
- Minimizes damage and conduit reclamation costs

Catalog #	Package Description	Units/Case
CF-35	1-quart / 0.95-liter squeeze bottle	12
CF-128	1-gallon / 3.8-liter jug	4
CF-640	5-gallon / 18.9-liter pail	1

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SEALANTS and ADHESIVES



Polywater[®] ZipSeal[™] Foam Sealant System

- Stops ingress of water, gases, and pests (includes a rodent deterrent)
- Each kit can produce multiple seals
- Holds up to 30ft (9m) water-head pressure



Polywater[®] FST[™] Foam Duct Sealant

- Creates airtight/watertight conduit seals
 Holds 22 ft (7 m) of water head pressure
 - and up to 90 ft (27 m) surgesCompatible with a wide range of cable
- jacket and conduit materials

Catalog #	Package Description	Units/Case
ZIP-25KIT1	2 –25ml Syringes; 5 Mixing Nozzles; 1 Mesh Strip; Gloves; Instruction Sheet	1
ZIP-25KITB6	Case with 6 ZIP-25KIT1	1
MXR-24L-10	10 pack of Mixing Nozzles – 25ml Syringe	1



Polywater[®] AFT[™] Spray Foam Sealant

- Sellador de conducto de espuma de celda cerrada
- Instalación rápida y sencilla cura en minutos
- Soporta una presión de columna de agua de 3 m
- Múltiples aplicaciones por lata de aerosol

Catalog #	Package Description	Units/Case
AFT-16P4	1 – 16 oz (480 ml) Can; 2 actuators	4
AFT-16	1 – 16 oz (480 ml) Can; 2 actuators	15
AFT-SAE10	10-pack of actuators with standard extension tube	1
AFT-FAE10	10-pack of actuators with flexible extension tube	1

Catalog #	Package Description	Units/Case
FST-250KIT1	1 – 8.5-oz FST [™] foam sealant caulk ing tube (cat# FST-250); 3 mixing nozzles; 4 – 24-in / 61-cm foam damming strips (cat# FST-DAM); 1 – 12" abrasive strip; one pair disposable gloves; 1 positioning rod for foam dam; 1 pre-treating wipe (cat# HP-P158ID); 1 resealing cap; instruction sheet. TOOL-250 SOLD SEPARATELY	1
FST-250KIT	Same as FST-250KIT1 in a case of 6	6
FST-250	1 – 8.5-oz FST [™] foam sealant caulking tube; 1 mixing nozzle; 1 resealing cap	12
MXR-30T-10	10-pack of mixing nozzles for FST-250	1
TOOL-250	1 high-ratio caulking gun	1
FST-DAM	1 – 24-in / 61-cm foam damming strip	24



Polywater[®] FST-MINI Duct Sealant

- Recommended for conduits less than 2 inches (50 mm)
- Quick and easy to apply
- Seal can be removed for future cable installations

Catalog #	Package Description	Units/Case
FST-MINI-1	1 – 50 ml FST cartridge; 2 Mixing nozzles (cat# MXR- 20T-10); 6 Foam discs; 2 pairs of gloves; instructions	1
FST-MINI-1G*	Same as FST-MINI-1 (above) with TOOL-50-11	1
FST-MINI-B6	6 FST-MINI-1	1
FST-MINI-B6G*	6 FST-MINI-1 with TOOL-50-11	1
TOOL-50-11	Dispensing tool for ZipSeal	1
MXR-20T-10	10-pack mixing nozzles for FST-MINI	1

ADHESIVES | CLEANERS | LUBRICANTS | SEALANTS

BONGLE Solutions at work.

SEALANTS and ADHESIVES (cont'd)



Bonduit[®] and Bonduit[®] XL conduit adhesive

- Bonds HDPE to PVC, rigid steel, fiberglass conduits and composites
- Creates airtight and watertight splices
- Bonds are durable with high tensile strength
- Suitable for cable blowing applications

Catalog #	Package Description	Units/Case
BT-KIT	2 adhesive cartridges; 8 mixing nozzles; 1 strip of sanding cloth; 8 Type RP [™] cleaning wipes (Cat #RP-1)	1
BT-KITG*	2 adhesive cartridges; 8 mixing nozzles;1 strip of sanding cloth; 8 Type RP™ cleaning wipes (cat #RP-1); 1 dispensing tool	1
BT-KITB6G*	Bulk package of 6 BT-KIT with 1 dispens- ing tool	1
BT-KITB6	Bulk package of 6 BT-KIT	1
BT-CART12PK	12 adhesive cartridges; 36 mixing nozzles	1
BTXL-250KIT1	1 BTXL 250-mL cartridge; 5 mixing nozzles; 5 pairs of gloves; 1 strip sandpaper 24-in / 60-cm,80-grit; 5 RP-1L; Instructions	1
BTXL- 250CART12	12 cartridges and static mixers	1
BTXL-250KITB6	6 BTXL-250KIT1	1
TOOL-50-11	1 dispensing tool for BonDuit	1
MXR-12T-10	10-pack of mixing nozzles for BonDuit	1
TOOL-250	1 dispensing tool for BTXL	1
MXR-25B-10	10-pack of mixing nozzles for BTXL	1

*Sold in the US only



Polywater[®] AirRepair[®] Pressurized Leak Repair System

- Oystein
- Seals air leaks in lead-sheathed cables, splice enclosures, and polyethylene cable jackets
- Eliminates hot lead wiping for improved safety and convenience
- Withstands environmental extremes with a permanent, long-lasting seal

Catalog #	Package Description	Units/Case
AR-KIT	Customized AirRepair kit. Call for details.	Varies
AR-STICK	7-in / 18-cm Putty stick for tempo- rary leak plugging	12



Polywater[®] CJR Cable Jacket Repair

- A syringe package requiring no specialty tool; installs in seconds
- Adheres to and repairs all common communication cable jackets
- Each package can perform multiple repairsAllows for cable movement without peeling
- or cracking

Catalog #	Package Description	Units/Case
CJR-25KIT	1 –25ml Syringe with resealing cap; 10 Mixing sticks; 2 Pairs of Disposable Gloves; Instructions	1



Polywater[®] PedFloor[™] Foam Pedestal Sealant

- Keeps mice, rats, snakes, insects and water from entering pedestals and cabinets
- Cured products offers permanent protection through extreme weather
- Flows and self levels before expansion
- to seal the entire opening

Catalog #	Package Description	Units/Case
PF-1	Kit for 1-square foot (approx.) with a 3-inch depth (930-cm2 at 7.5-cm depth) 1 burst pack; 1 pair of gloves;1 roll of duct tape; 1 plastic sheet; instructions	2
PF-2	Kit for 2-square foot (approx.) with a 3-inch depth (1860-cm ² at 7.5-cm depth) 1 burst pack; 1 pair of gloves; 1 roll of duct tape; 1 plastic sheet; instructions	2
PF-3	Kit for 3-square foot (approx.) with a 3-inch depth (2890-cm ² at 7.5-cm depth) 1 bottle Part A; 1 bottle Part B; 1 pair of gloves; 1 mixing pail; 1 mixing stick; 1 plastic sheet; 1 roll duct tape; instructions	1

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COMMUNICATION PRODUCTS

COMMUNICATION CLEANERS and ACCESSORIES



Polywater[®] SqueekyKleen[™] Cable Gel Removal

- Quickly removes water-blocking gels
 and powders
- Removes gel and fans fibers with only two swipes
- Leaves no gel residue behind

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-D35	35-count dispenser of 6" x 9" (15 cm x 22 cm) saturated wipes	12
TC-16LF	16 oz (475 ml) bottle with flip-top	12
TC-35LF	1-quart (0.95 L) bottle with flip-top	12
TC-128	1-gallon (3.8 L) jug	4
TC-640	5-gallon (18.9 L) pail	1



Polywater[®] HydraSol[®] Cable Gel Remover

- Effectively cleans and removes cable filling greases
- Rinses completely with water
- Water-based cleaner contains no chlorinated solvent, CFC, or glycol ether

Catalog #	Package Description	Units/Case
HS-1	10" x 12" (25 cm x 30 cm) saturated wipes	144
HS-D72	72-count dispenser of 10" x 12" (25 cm x 30 cm) saturated wipes	6
HS-16LR	1-pint (475 ml) spray bottle	12
HS-32	1-quart (0.95 L) bottle with flip top	12
HS-128	1-gallon (3.8 L) jug	4
HS-640	5-gallon (18.9 L) pail	1



Polywater[®] FO[™] Fiber Optic Cleaner

- 99.8% anhydrous isopropyl removes oil, dust, and other contaminants
- Fast evaporating
- · Leaves no residue

Catalog #	Package Description	Units/Case
FO-1	5" x 8" (13 cm x 20 cm) saturated wipe	50
FO-16*	1-pint (475 ml) bottle	12
FO-32*	1-quart (0.95 L) bottle	12
FO-128*	1-gallon (3.8 L) jug	4

*Sold in the US only



FiberKleen[™] Towels

- Use DT towels to apply bulk Polywater cleaners
- Non-linting and leaves no residue
- Contains no binders or adhesive

Catalog #	Package Description	Units/Case
DT-69	Box with 200 – 6" x 9" (152 mm x 229 mm) dry wipes	1
DT-1212	Box with 100 – 12" x 12" (305 mm x 305 mm) dry wipes	1
DT-D50	50-count pack dispenser, (76 mm x 76 mm) dry wipes	8
DT-D175	175 microfiber towels in a sealed plastic dispenser pack with cleaning pad	12
DT-D175R	Refill roll for DT-D175	6

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CLEANERS (Cont'd)



Polywater[®] Grime-Away[™] Hand and Tool Cleaner

- Removes dirt, grime, gels, and grease
- Softens and moisturizes skin while being tough on grime
- Saturated wipe ensure thorough cleaning with rough texture on one side and smooth on the other side for wiping

Catalog #	Package Description	Units/Case
HTC-D72	72-count dispenser of 10" x 12" (25 cm x 30 cm) premoistened wipes	6
HTC-1	Saturated 10" x 12" (25 cm x 30 cm) wipe	144



Polywater[®] AquaKleen[™] Fiber Optic Cleaner

- Made with pure deionized water leaving no residue after evaporation to affect light transmission
- Water-based alternative to alcohol and acetone
- Non-toxic, safe for confined areas

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-quart (0.95 L) bottle with flip-top cap	12

TOTAL CONDUIT ENCAPSULATING GEL SYSTEM



Polywater IceFree[™]

- Surrounds cables and valves with a gel that does not freeze
- Fills conduits and cavities to prevent water ingress
- Maintains operation of vital fiber cable and valve systems
- Surrounds cables and valves with a gel that does not freeze

Catalog #	Package Description	Units/Case
WS-640	5-gallon/18.9-liter pail IceFree gel	1
WS-DRUM	55-gallon/208-liter drum IceFree gel	1
WB-8	1 – chemical duct block	12
WH-1	48-inch/122-cm gel insertion hose & valve assembly	1



ACCESSORIES

LP-D5 Drill-Powered Lubricant Pump

- Eliminates hand scooping, hand pouring and lengthy clean-up
- Lubricants can be pumped into vertical or horizontal conduits
- Works with a variable-speed drill (not included) to pump at rate based on cable size and pulling speed

Catalog #	Package Description	Units/Case
LP-D5	Drill-powered pump for 5-gallon/18.9-liter Pail or 55-gallon/209-liter drum; Includes 2 applicators (½-inch drill not included)	1



Polywater Pull-Planner® Cable Pulling Software

Make cable installation planning faster, easier, and more collaborative. The Pull-Planner (5) is cloud-based. This allows users to access it from any device through a web browser. The Pull-Planner is project-focused, meaning that a team within a company can have multiple registered users collaborating on the same duct cable installation project.



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COMMUNICATION PRODUCTS

MECHANICAL SEALS



PHSD Super Segmented Ring Technology for Single Cables and Ducts



PHRK SSG with Super Segmented Ring Technology

For more information on Polywater | Hauff-Technik please visit https://polywater-haufftechnik.com/

- Individual adjustment to the installed cable diameters on site
- Adaptable—Split Seal for retrofit installation
- Durable Design—Pressure plates made of stainless steel and glass reinforced polyamide.
- · Certified by UL and CSA

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American Polywater Corporation 11222 60th Street N. Stillwater, MN 55082 USA

+1 651-430-2270 US +31 10 233 0578 Europe & Africa +971 4 5521709 APAC & GCC Email: support@polywater.com