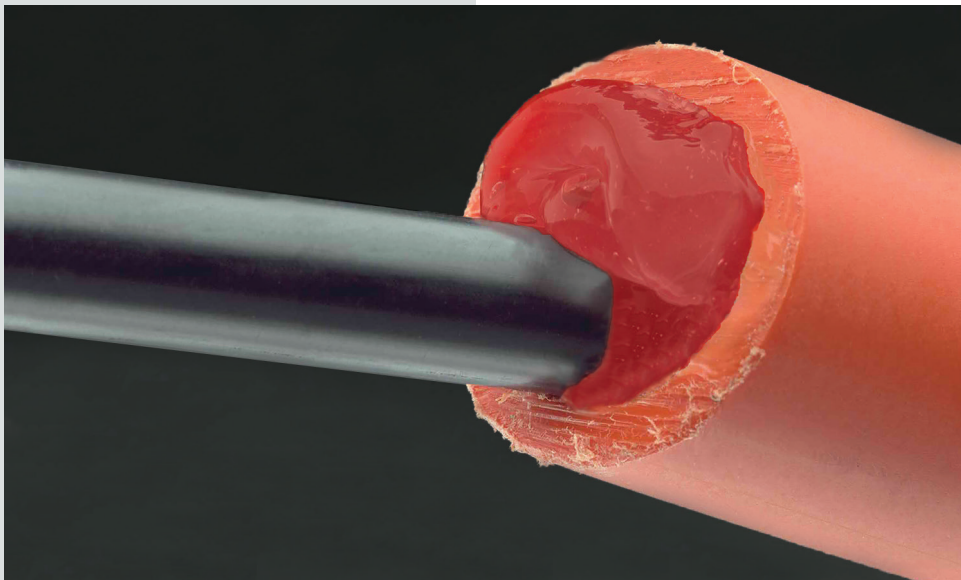


# Polywater® IceFree™

## TOTAL CONDUIT ENCAPSULATING ANTIFREEZE GEL



IceFree protects fiber optic cables

**Non-Freezing Gel Used in Conduits to Prevent Water Ingress and Subsequent Ice Formation**

### PRODUCT BENEFITS

- **Total Conduit Encapsulation:** Prevents water ingress and ice formation in innerducts and conduits.
- **Prevents System Downtime:** Protects fiber optic cable from ice-pressure-induced microbends.
- **Reenterable:** Soft gel allows for cable removal for repair or upgrade.
- **Long-Term:** Installs once for multi-year protection.
- **System Integrity:** Ensures reliable signal performance on high-priority comm/data and control/monitoring cables.

### Minimize Performance Loss of Infrastructure Assets

Polywater® IceFree™ protects infrastructure from water intrusion and ice formation. When ice forms inside ducts, functionality is compromised. Ice pressure induces signal attenuation in fiber optic cables and prevents mechanical valves from opening.



IceFree large field installation



IceFree applied with an LP-D5 drill pump

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WS-640 (18.9-liter pail)



Chemical duct block WB-8

## Patented System Protects 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 microbends that increase signal attenuation and potential fiber optic cable damage at bridge crossings or vehicle overpasses. IceFree is also used to prevent freezing of mechanical valves used in fire suppression or critical infrastructure fire protection systems. IceFree is available in field friendly packaging.

### POLYWATER WS

Catalog #	Package Description	Units/Case
WS-640	5-gal. (18.9-liter) pail	1
WS-DRUM	55-gal. (208-liter) drum	1
WB-8	1 - chemical duct block	12
WH-1	48" gel insertion hose & valve assembly	1

### SPECIFICATIONS AND APPLICATIONS:

- **Prevent Signal Outages:** The IceFree system has protected fiber optic cable in thousands of bridges, highway crossings, and other vulnerable areas exposed to freezing temperatures.
- **Patented:** IceFree is a patented system comprised of both antifreeze gel and chemical duct block. The chemical duct block is employed in the fiber optic duct system to contain antifreeze gel within the entire length of the duct for long-term network protection.
- **Concentrated:** Formulated to perform long term even when diluted over time.
- **Resources Available:** Installation video and informational literature available.

#### 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.

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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