

High-Temperature Resistant Optical Cable Logging



Overview

Hydrogen Sulfide Resistant Cable Armoured Well Logging Cable High Strength cable High Temperature Downhole Logger Wire Multi Conductor Cable High-Temperature Optical Fiber Logging Cable for Hot Dry Rock (HDR) Geothermal Applications Engineered for. Hydrogen Sulfide Resistant Cable Armoured Well Logging Cable High Strength cable High Temperature Downhole Logger Wire Multi Conductor Cable High-Temperature Optical Fiber Logging Cable for Hot Dry Rock (HDR) Geothermal Applications Engineered for. Suitable for oil wells, gas wells, coal mines or under high temperature conditions. The cables marked with Dry; They are a series of cables in which the typical water blocking the intermediate tubes (gelatin, water swelling tape or powder) is replaced with a solid foamed thermoplastic elastomer. Corning's High Temperature Fibers are designed for applications requiring improved fatigue resistance, high usable strength, and excellent resistance to higher temperatures and hydrogen permeation. The fiber consists of single-mode or multimode core and single or dual coating system, including a. Fibercore, in conjunction with selected partners, offer wireline logging cables that utilize Fibercore's hydrogen resistant, high temperature fibers. The optical fibers are protected in a hermetic metal tube to provide the necessary protection for incorporation into the wireline cable.



Article Content

Hot

High-temperature fibers | WEINERT Industries AG

For use in higher temperature ranges, all optical fibers based on Fused Silica can be optionally equipped with heat-resistant coating materials. This extends the

Mar 26, 2026 Hot

High Temp/Harsh Environment Fiber | OEM Optical Communication

Corning's High Temperature Fibers are designed for applications requiring improved fatigue resistance, high usable strength, and excellent resistance to higher temperatures and hydrogen permeation. The

May 26, 2026 Hot

Fiber optic cables for harsh environmental conditions

Harsh environment fiber optic cable - Deploy in industrial facilities, mines, subsea and other environments where extreme conditions exist. Ultra-low and high

Apr 14, 2026 Hot

How Much Temperature Can Optical

Learn the temperature limits of optical fiber (standard, high-temperature, low-temperature), how heat/cold affects performance, and how to choose resilient fibers for your

Aug 08, 2025 Hot

Long-term High Temperature High Pressure Cable for Geothermal Logging

While a full study was conducted on the conductor/fiber cable, the evaluation of the four-conductor cable remained incomplete. With the increasing need for long-term high-temperature (HT) operation of

Sep 16, 2025 Hot

High-temperature fibers | WEINERT Industries AG

Singlemode and multimode fibers for data communications or light transmission at high temperatures For use in higher temperature ranges, all optical fibers based

Jun 10, 2026 Hot

High Temperature HDMI Cable

Cicoil HDMI Cables excel in high temperature applications. Our patented extrusion process encapsulates conductors in flame- and, heat-resistant Flexx-Sil™ clear jacketing. Their high-flex flat

Sep 29, 2025 Hot

Wireline Fiber Optic Cable | Fibercore

Fibercore, in conjunction with selected partners, offer wireline logging cables that utilize Fibercore's hydrogen resistant, high temperature fibers. The optical fibers

Nov 10, 2025 Hot

Optical Fiber Sensors for High-Temperature Monitoring:

High-temperature measurements above 1000 °C are critical in harsh environments such as aerospace, metallurgy, fossil fuel, and power production.

May 14, 2026 Hot

SPECIALTY AND HARSH ENVIRONMENT FIBER OPTIC CABLE

Specialty Fiber Optic Cable Customers around the world benefit from using AFL fiber optic cable and components for downhole sensing and subsea umbilicals. With its patented stainless steel tube

May 12, 2026 Hot

Research on the Data Interpretation Model of Optical Fiber Profile ...

Fiber optic cables have the advantages of high temperature resistance, high pressure resistance, corrosion resistance, and high accuracy in measuring temperature DTS data. They are widely used

Oct 13, 2025 Hot

Hydrogen Sulfide Resistant Armoured Well Logging Cable for High ...

Pump-Down and Tractor-Conveyed Fiber Optic Wireline Cable A ruggedized, slim-profile fiber optic cable designed for deployment via pump-down or electric/mechanical tractor systems in horizontal or

May 19, 2026 Hot

Downhole Logging

Rochester Cable has supplied wireline cables to logging service providers for decades. Our designs combine mechanical strength,

May 13, 2026 Hot

Harsh Environments fiber optic products

Our approach to the high temperature, high hydrogen partial pressures is to modify the glass composition of the optical fiber core to make it inherently resistant to hydrogen attack. This research

May 24, 2026 Hot

A High Data Rate Fiber Optic Well Logging Cable

This development has led to a new logging cable with superior mechanical properties, containing eight electrical wires and three optical fibers with a data rate of at least 10 Mbits/l second each. This fiber

Jun 19, 2026 Hot

Power Cable Monitoring System

Long distance submarine power cable temperature monitoring by two sets of OPTHERMO™ has been installed at both terminal stations. PRODUCT

Feb 17, 2026 Hot

High Temperature Cable | High Temp Cable | Eland Cables

Global supplier of cables suitable for high temperature operations ranging from 105oC to 250oC (degrees centigrade / degrees celsius). Technical support - Fast quote - Fast delivery.

Mar 01, 2026 Hot

Cable Logging? Optical Fiber Logging?--JASON is

Difference between Optic-Fiber logging and traditional cable logging The electrical-based sensors used in cable logging can not work continuously in harsh

Oct 03, 2025 Hot

Downhole Logging

High-temperature performance Conductor insulation, fillers, and jacketing selected to withstand elevated downhole temperatures over the life of

May 23, 2026 Hot

High-temperature interferometric fiber-optic acoustic logging sensor ...

To address the limitations of conventional electric acoustic logging tools, a long-cavity interferometric fiber-optic acoustic sensor incorporating a thin-walled metal sensitization structure is

Aug 15, 2025 Hot

Hydrogen Sulfide Resistant Armoured Well Logging Cable for High ...

Hydrogen Sulfide Resistant Cable Armoured Well Logging Cable High Strength cable
High Temperature Downhole Logger Wire Multi Conductor Cable High-Temperature
Optical Fiber Logging Cable for Hot

Jan 21, 2026 Hot

Application of optical-fiber temperature logging

Continuous-temperature depth logs, especially when recorded in boreholes under thermal equilibrium conditions, provide detailed information of

Feb 17, 2026 Hot

High temperature fiber cables for extreme temperature

Cables insulated with these fibers offer excellent high-temperature resistance, along with good dielectric properties and flexibility. They also provide good resistance to

May 14, 2026 Hot

Optical fiber logging cable Special cable

Optical fiber logging cables are also designed to withstand high temperatures and pressures, making them suitable for use in deep and high

Oct 20, 2025 Hot

Wholesale Cheap High Temperature Logging Cable Service

High-temperature logging cables not only withstand extreme conditions but also ensure the integrity of data transmission in challenging environments. When choosing the right cable, buyers should

Feb 04, 2026 Hot

The High-Temperature Resistant Well Logging Optical Cable

Suitable for oil wells, gas wells, coal mines or under high temperature conditions. The cables marked with Dry; They are a series of cables in which the typical water blocking the intermediate tubes

Jul 14, 2025 Hot

Impact of Cable Material, Optical Fiber Design, and

Accident survivability at temperatures exceeding 100°C is demonstrated for a number of optical fiber and cable designs with specific

Oct 13, 2025 Hot

Application of optical-fiber temperature logging

Plots of temperature and geothermal gradient versus depth as obtained by the different logging devices in two boreholes. DTS data are in red,

Jul 10, 2025

Contact Us

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