

High-Temperature Resistant Optical Cable Manufacturer



AI Overview

Leading manufacturers of high-temperature resistant optical cables include Corning, WEINERT Industries, AFL, and various specialized industrial suppliers offering fibers and cables capable of withstanding temperatures up to 500°C. Key Manufacturers and Products

1. Corning Corning provides high-temperature fibers designed for improved fatigue resistance, high usable strength, and resistance to elevated temperatures and hydrogen permeation. Their fibers feature single-mode or multimode cores with optional hermetic carbon layers and high-temperature acrylate coatings, suitable for harsh industrial and aerospace applications.
2. WEINERT Industries AG WEINERT offers fused silica optical fibers with heat-resistant coatings, extending operational ranges from -190°C to $+385^{\circ}\text{C}$. Their German-engineered fibers are suitable for high-temperature industrial processes and scientific applications.
3. AFL (Verrillon® fibers) AFL manufactures harsh environment fibers with polymeric coatings such as polyimide, silicone, and high-temperature acrylates. Their fibers can operate up to 500°C , with hermetic coatings to prevent hydrogen, moisture, and acid ingress. These fibers are widely used in downhole, high-pressure, and high-temperature environments.
4. DirectIndustry Suppliers Platforms like DirectIndustry list multiple suppliers, including Avantes, Endevco, and Pavone Sistemi, offering high-temperature optical cables with metal sheaths (SS321, SS304, SS316L, INCONEL 600) and mineral-insulated designs for extreme conditions. Applications include aerospace, spacecraft, missiles, UAVs, and industrial sensing.
5. Photonics Buyers' Guide This guide highlights OEM manufacturers of multimode step-index fibers, fiber bundles, and assemblies made from silica and quartz glass. They provide customized solutions for spectroscopy, UV, laser delivery, and high-temperature environments, with speciali...

Article Content

High Temperature Armored Cable Manufacturer

We produce and supply all kinds of fire resistant high temperature wire cable for communication, etc. CITCable - your reliable partner for High Temperature

High-Temperature Fiber Optic Cable | Suppliers

Explore 19 top manufacturers and suppliers of High-Temperature Fiber Optic Cable in our comprehensive photonics buyers' guide.

Wachendorff Automation The encoder experts :

Thanks to their new high-precision and highly-dynamic technologies, these very robust absolute encoders with magnetic scanning allow for use in areas where

M22759 Military Wire

Explore M22759 wire for military and aerospace use, featuring PTFE, FEP, or ETFE insulation and resistance to chemicals and high temperatures from -65°C to 260°C.

High Temperature Cable | High Temp Cable | Eland Cables

In addition to the cables forming part of our standard high temperature cable range, we can supply a number of other high temp cables manufactured to international standards or custom designed to

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How Can Fiber Optic Cables Withstand Extreme Heat?

In industries like aerospace, oil and gas, and manufacturing, high temperatures can wreak havoc on standard fiber optic cables, causing signal

Fiber optic cables for harsh environmental conditions | AFL Global

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

High temperature wires and cables | OMERIN

Excellent heat resistance, Extreme temperatures from -190°C to +1400°C, Resistant to corrosive chemical environments. The OMERIN Group is the world's leading

High-Temperature Fiber Optic Cable | Suppliers

OEM manufacturer of multimode step-index fibers, fiber bundles, cables, and assemblies made from silica and quartz glass. Offers customized optical fiber solutions for industrial, medical, and scientific

Optical fiber assemblies for high temperature environments

SEDI-ATI Fibres Optiques manufactures its products to withstand extreme temperatures by selecting the fiber from its wide range of high-temperature acrylate, polyimide, aluminum and copper-coated fibers.

High-temperature cable

Find your high-temperature cable easily amongst the 99 products from the leading brands (LEMO, HUBER+SUHNER, ZTT, ...) on DirectIndustry, the industry specialist for your professional purchases.

High-temperature optical cable

Find your high-temperature optical cable easily amongst the 11 products from the leading brands (Avantes, Endevco, Pavone sistemi, ...) on DirectIndustry, the

High Temperature Cables

Thermo Cables takes pride in crafting high temperature cables tailored for applications in environments where both operational and ambient temperatures

Space Station Research Investigation

The following content was provided by Scott A. Dulchavsky, M.D., Ph.D., and is maintained by the ISS Research Integration Office.

Connectors, Cables, Optics, RF, Silicon to Silicon

Samtec is the service leader in the electronic interconnect industry and a global manufacturer of Connectors, Cables, Optics and RF Systems, with full channel

High-temperature optical fiber patchcords

These high-temperature fiber-optic patchcords can be mated in stainless-steel ST, FC or SMA bulkhead adapters. We offer both square-flange and D-style round

High Temp/Harsh Environment Fiber | OEM Optical

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

High temperature wires and cables | OMERIN

High temperature cables with composite insulation Excellent heat resistance, Extreme temperatures from -190°C to +1400°C, Resistant to corrosive chemical

Heat Resistant Cables | continuous temperatures up to

For temperatures from 150 °C upwards, HEW develops and manufactures high-temperature cables that are used in demanding applications.

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

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

Environmental Equipment & Supplies

Find & compare Environmental equipment for a variety of industrial applications from thousands of suppliers. Get accurate info & quotations for your projects.

Optical Fibers & OEM Fiber Assemblies | CeramOptec

Thanks to our expertise and, furthermore, our advanced technical capabilities, we therefore offer both standard optical fiber cables and fully

Contact Us

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