

Norwegian manufacturers of high-temperature temperature measurement optical cables



Article Overview

Foss Fiber Optics and Nexans are key Norwegian manufacturers offering high-performance optical cables suitable for demanding and high-temperature applications.

Foss Fiber Optics

Foss Fiber Optics, established in 1987, is a leading Norwegian manufacturer of fiber optic solutions, including specialized cables designed for harsh environments such as industrial, defense, offshore, and telecom sectors . They produce customized optical cables capable of withstanding extreme conditions, with in-house manufacturing in Norway ensuring strict quality control and flexibility in design . Their products include high-quality fiber-optic connectors and field cables, which can be tailored for high-temperature applications and demanding industrial environments .

Nexans

Nexans Norway provides a range of high-temperature cables for industrial applications . While their website primarily highlights industrial cable solutions, Nexans is known globally for producing optical and electrical cables capable of operating under elevated temperatures, making them a potential supplier for high-temperature optical cable needs in Norway

Article Content

NKT | Kabelløsninger – høy-, mellom

Vi er den ledende kabel- og kabeltilbehørsleverandøren til energisektoren. NKT utvikler og tilbyr eksklusive kabler, kabeltilbehør og

Optical Temperature Sensors – fiber Bragg gratings, point sensors ...

This article provides a comprehensive overview of optical temperature sensors, which utilize optical technology, particularly fiber

Foss Fiber Optics

In our factories in Norway and Slovakia, we produce systems based on high-quality optical connectors and

High-temperature fibers | WEINERT Industries AG

Singlemode and multimode fibers for data communications or light transmission at high temperatures For

Optical Fiber Sensors for High-Temperature Monitoring: A Review

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

In-Depth Overview of Fiber Optic Temperature Sensors

A fiber optic temperature sensor is a temperature measurement device that uses optical fibers as the sensing medium. Unlike

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

Cable Manufacturers of High-Performance Cables

Our range includes cables that are resistant to flame, oils & chemicals, operate in ultra-high-vacuum, low

Review on an Advanced High-Temperature Measurement

Optical fiber thermometry technology for high-temperature measurement is briefly reviewed in this paper. The

Top 5 Custom Cable Manufacturers in Norway (2026) | ensun

Norway's focus on renewable energy and technological innovation presents significant opportunities for custom cable manufacturers,

Thermal Engineering Solutions And Specialised Cables Manufacturer

We are a thermal engineering and specialized cable manufacturer established in 1990. Our products include contact and infrared

Top 10 BEST Ranking of Global Fiber Optic Temperature Measurement ...

This ranking evaluates global optical fiber temperature measurement system manufacturers based on 2025 market

Fiberoptic Cables and Components

Here you will find an overview of all our fiber cables and components for fiber optic networks and communication.

Discover Strain and Temperature Risks in Fiber Cables

Advances in Fiber Optic Cable Characterization Help Network Operators Protect Their Networks VIAVI OTDRs allow technicians all

High-Temperature Cables

High-Temperature Cables It can get quite hot on our planet. For example, the Norris Geyser Basin in

High Temp/Harsh Environment Fiber | OEM Optical

Corning's High Temperature Fibers are designed for applications requiring improved fatigue resistance,

FO cables for Cryogenic / High Temp • NBG Fiber Optics

Distributed Fiber Optic Sensing (DFOS) allows for fully distributed temperature sensing over multiple kilometers without the need of

Distributed Fiber Optic Temperature Sensor

Fiber optic sensing cable design offers high reliability, accuracy, and quick update times to ensure 24/7 monitoring of the fiber

High-temperature cable

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

Fiber Optic Sensing Cables • NBG Fiber Optics

Our sensing cables are engineered to endure extreme environments and are compatible with Raman, Brillouin, Rayleigh, and FBG

Fiber optic temperature sensor-temperature monitoring

Fiber optic temperature sensor, Distributed fiber optic temperature measurement system, Fiber optic

High Temperature Cables

Norway temporary unavailable en no Products Segments Newsroom Tools and Resources Sustainability We are Nexans

Top Fiber Optic Cable Manufacturers in Norway

Discover all relevant Fiber Optic Cable Manufacturers in Norway, including Fiberworks and Fiberworks AS

Applications of fibre optic temperature measurement

Three common principles of fibre optic temperature measurement are exemplarily examined: fibre Bragg gratings,

High Temperature Cables

Choosing the right high temp cable for high-heat environments reduces unnecessary replacements and avoids downtime. Carson

Sensor cables

Alongside their use in data transmission, optical fibers can also be used for measuring temperature, light,

High Temperature Cables

As a result, these specialised cables can withstand heat, chemicals, nuclear, flame and radiation. Many industries utilise high

Fiber Optic Temperature Sensing and Measurement

Measure temperature with fiber optic sensors for high-resolution distributed and multipoint monitoring in batteries, processes, and

Optical fiber assemblies for high temperature environments

For this type of application, we offer silica/sapphire assemblies for parts located in your high-temperature

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

Top High-temperature Sensor Manufacturers in Norway

Discover all relevant High-temperature Sensor Manufacturers in Norway, including Disruptive Technologies and North Sea

High Temperature Fiber Optics

High temp fiber optics are used where the temperature is too hot for plastic fibers. Popular use in thermal process applications.

Distributed Temperature Sensing (DTS) | AP Sensing

Distributed Temperature Sensing (DTS) systems provide temperature information for accurate thermal monitoring, fire detection, and

Fiber Optic Temperature Sensors: Types, Working & Applications

Explore the structure, working principles, advantages, and disadvantages of Fiber Optic Temperature Sensors for accurate

Temperature Measurement Using Optical Fiber Methods: Overview

A suitable luminescent material can survive high temperatures during blackbody measurement together with the measurement

Temperature Measurement Using Optical Fiber Methods: Overview

These may be areas with high electrical and magnetic interference or critical areas. Therefore, there is intensive

TECCA DE Fiber optic temperature measurement systems

Technical data Fiber optic sensors ... Service & Calibration Re-calibration is typically not necessary throughout the entire lifespan of

Contact Us

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