

Temperature Sensing Optical Cable Brands



Article Overview

Leading brands in temperature sensing optical cables include AP Sensing, Luna Innovations, Tempsens, Brugg, Hot Disk, TEMPSENS, AFL Global, FiberTek, Sensornet, and LS VINA Cable & System.

Key Global Brands and Manufacturers

- AP Sensing (Germany): Specializes in distributed fiber optic sensing (DFOS) for DTS and distributed acoustic sensing (DAS). Their systems are widely used for pipeline integrity monitoring, power cable surveillance, tunnel fire detection, and perimeter security, offering long-term reliability and immunity to electromagnetic interference .
- Luna Innovations (USA): Offers advanced fiber optic sensing systems, including high-definition distributed temperature sensing (Rayleigh backscatter), FBG interrogation systems, and long-range DTS platforms. Luna serves aerospace, automotive, energy, defense, and civil infrastructure sectors .
- Tempsens (India): Provides customized thermal engineering solutions, including temperature sensing cables, thermocouples, RTDs, and specialized cables for industries such as power, steel, petrochemical, automotive, defense, and aerospace .
- Brugg, Hot Disk, TEMPSENS: Featured on DirectIndustry, these brands offer fiber optic temperature sensing cables with fast thermal response, armored construction, and suitability for cryogenic to high-temperature applications .
- AFL Global (formerly Alcatel-Lucent USA): Supplies industrial-grade fiber optic sensing cables for critical infrastructure, including power plants, oil & gas pipelines, and transportation tunnels

Article Content

Dec 23, 2025

Optical Cables | Sensing and Monitoring Solutions | OPTRAL

Optical equipment for sensing and monitoring solutions through fiber optics for various industrial and telecommunications applications.

Mar 04, 2026

Fiber Optic Temperature Sensors: Types, Working & Applications

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

Apr 16, 2026

Fiber Optic Sensor Cables for Advanced Monitoring

Fiber optic sensor cables, using Distributed Temperature Sensing (DTS) and Distributed Acoustic Sensing

Feb 22, 2026

DTSX3000 Distributed Temperature Sensor | Yokogawa India

What Is Distributed Temperature Sensing? Distributed temperature sensing (DTS) measures temperature distribution over the length

Aug 22, 2025

Top 10 Fiber Optic Temperature Sensing System Manufacturers

In 2021, Omnisens joined forces with Prysmian Group — the world's largest cable manufacturer — to form EOSS

Mar 28, 2026

Temperature | DwyerOmega

Temperature products cover Accessories, Averaging Sensors, Connectors & Jacks, Head Mount Transmitters, and Infrared. The

May 06, 2026

Distributed Temperature Sensing Systems & DTS Sensors

Depending on your specific requirements, we can measure temperatures to a resolution of 0.010 C at every metre along the sensing

Apr 02, 2026

Opsens Solutions| Fiber Optic Temperature Sensors

Fiber-optic temperature sensors for industrial applications involving harsh environments such as high voltage, electromagnetic

Jun 18, 2026

Distributed Temperature Sensing (DTS) | AP Sensing

Raman-based DTS provides reliable absolute temperature measurements, while DAS, with its Distributed Temperature Gradient

Jul 19, 2026

4 keys to implementing fiber optic temperature sensing

The fundamental objective behind fiber optic temperature sensing is minimizing the

Oct 22, 2025

T130 / High Sensitivity Strain and Temperature Cable Sensor

The T130 Optical GFRP Strain and Temperature Cable is designed to make handling and installation fast, easy and intuitive. It

Apr 14, 2026

DiTemp Ordinary Temperature Sensing Cable

The Ordinary Temperature Sensing cable is a small fiber optic cable, armored with stainless steel loose tube gel filled, stainless steel

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Fiber Optic Sensing Cable in Industrial Environments | Corning

Distributed sensing cable can take one of several technological forms, and can be used in many applications.

May 24, 2026

Fiber Optic Temperature Sensing: Revolutionizing Monitoring

However, traditional temperature sensors often have limitations, hindering the ability to obtain a comprehensive understanding of

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Temperature sensing cable

Find your temperature sensing cable easily amongst the 4 products from the leading brands (AMOT, Bourn

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Linear Heat Detection Sensor Cable

Linear Heat Detection Sensor Cable Luna provides the appropriate sensor cable for every application and when working with us we

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Cables for Temperature Sensing

Cables for Temperature Sensing Cables for temperature sensing are characterized by a loose mechanical coupling between the fibre

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Distributed Fiber Sensing Cables | Fiber Optic Sensing Cable

Our distributed sensing cables provide optimized monitoring of your critical harsh environment infrastructure. Distributed sensing is a

Feb 09, 2026

ONSENSA Innovations | Fiber Optic Temperature Sensing & Partial ...

Leading developer of fiber optic temperature sensing and partial discharge monitoring solutions for switchgear, data centers, energy,

Mar 21, 2026

Fiber Optic Temperature Sensing and Measurement

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

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DTSX200 Distributed Temperature Sensor

What Is Distributed Temperature Sensing? Distributed temperature sensing (DTS) measures temperature distribution over the length

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Temperature Sensing DTS Fiber Cable | FiberTek

Advantages of distributed temperature sensing fiber optic cable Temperature sensing/monitoring using fiber is getting

Nov 06, 2025

Distributed Sensing Cables

Our distributed sensing cables provide optimized monitoring of your critical harsh environment infrastructure. Distributed sensing is a

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Global Temperature Sensing Optical Cable Market 2025 by

Chapter 2, to profile the top manufacturers of Temperature Sensing Optical Cable, with price, sales quantity, revenue, and global

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

There are various types of optical temperature sensors, including point sensors and distributed sensors.

Aug 23, 2025

Optical sensor cable

Find your optical sensor cable easily amongst the 10 products from the leading brands (BANNER,

Feb 01, 2026

Distributed Fiber Optic Temperature Sensor

What is a Distributed Fiber Optic Temperature Sensor? Yokogawa's DTSX product family is engineered with a variety of fiber optic

Feb 18, 2026

DiTemp Medium Temperature Sensing Cable

The DiTemp Medium Temperature Sensing cable is a small fiber optic cable, armored with stainless steel

Jul 03, 2026

Global Temperature Sensing Optical Cable Market Research Report

The major global manufacturers of Temperature Sensing Optical Cable include Optromix, Inc, Sensornet, Luna

May 07, 2026

In-Depth Overview of Fiber Optic Temperature Sensors

5. Typical Applications Power Transformers Fiber optic sensors are embedded in transformer windings for real-time hot spot

Dec 30, 2025

Fiber Optic Sensor | Distributed Temperature Sensing

Distributed Temperature Sensing (DTS) systems are a game-changing technology for continuous

Jun 25, 2026

Top 10 Fiber Optic Temperature Sensing System Manufacturers

Fiber optic temperature sensing systems measure temperature using light transmitted through optical fiber — entirely

Mar 12, 2026

Top 10 Companies in the Distributed Temperature Sensing Cables

In this blog, we profile the Top 10 Companies in the DTS Cables Industry —a mix of optical fiber specialists, industrial

Nov 12, 2025

Distributed Temperature Sensing (DTS) | NKT

Unlock maximum performance and early detection of potential issues with our temperature sensing

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