Price List of Direct-Buried Optical Cable Monitoring Instruments



Overview

194 direct buried optical cable meter price products are offered for sale by suppliers on Alibaba , of which fiber optic equipment accounts for 12%.

Key Takeaways

Direct-buried optical cable monitoring instruments, including DTS, DAS, and DTSS systems, typically range from tens of thousands to several hundred thousand USD depending on system complexity, cable length, and features.

Key Monitoring Technologies

Distributed Temperature Sensing (DTS): Uses optical fibers to detect temperature variations along the cable, identifying hotspots, thermal bottlenecks, and potential failures in real time.

DT

S is suitable for both short and long direct-buried cables and can be integrated with Dynamic Cable Rating (DCR) systems for load optimization (Omnisens Cobra). Distributed Acoustic Sensing (DAS): Detects vibrations and acoustic signals along the cable, enabling early detection of third-party intrusion, digging, or mechanical damage.

DA

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S is widely used for security and fault prevention in underground cable networks. Distributed Temperature & Strain Sensing (DTSS): Combines temperature and mechanical strain monitoring to detect both thermal anomalies and physical stress on the cable.

DTS

S provides comprehensive insights into cable integrity and helps prevent failures before they occur.

FO

Grid (Sensor Lines): A distributed fiber optic sensing solution that monitors cable integrity continuously, detecting temperature changes, strain, and third-party intrusions. It supports long-distance monitoring with precise localization of events and integrates with software for real-time alerts and asset management.

Typical Cost Considerations

System Size and Cable Length: Longer cable runs require more interrogators or range extension modules, increasing costs. Technology Type: DTS-only systems are generally less expensive than combined DTS + DTSS or DAS systems. Installation and Integration: Costs include fiber installation, interrogator setup, software configuration, and optional server/data storage.

Vendor and Customization: Prices vary by manufacturer (e.g., Omnisens, Sensor Lines, AP Sensing) and may include service contracts, training, and maintenance. Estimated Price Ranges: Small-scale DTS systems for short direct-buried cables: $20,000–$50,000Medium-scale DTS/DAS systems with moderate cable lengths: $50,000–$150,000Large-scale integrated DTS + DTSS + DAS systems for long or critical infrastructure: $150,000–$500,000+ These ranges are indicative; actual prices depend on project specifications, cable type, and monitoring requirements.

How to Obtain Accurate Pricing

Contact Vendors Directly: Companies like Omnisens, AP Sensing, and Sensor Lines provide customized quotes based on cable length, monitoring requirements, and system features. Request a Proposal: Provide details such as cable type, installation environment, monitoring objectives, and desired alerting capabilities. Consider Total Cost of Ownership: Include installation, software, maintenance, and potential upgrades when evaluating options.

By consulting vendors and specifying your project requirements, you can obtain a detailed price list tailored to your direct-buried optical cable monitoring needs.

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Article Content

Direct buried optical cable meter price

194 direct buried optical cable meter price products are offered for sale by suppliers on Alibaba , of which fiber optic equipment accounts for 12%. A wide variety of direct buried optical cable meter

Underground Optical Fiber Cable Locator

Discover underground optical fiber cable locators with 1310/1550nm OTDR technology, precise fault detection, and durable design for telecom applications.

6 Best Underground Wire and Cable Locators

Find the best underground wire and cable detectors for underground utilities, from lightweight devices to transmitter and receiver combos.

Prevent Cable Failures w. Underground Cable Monitoring | AP Sensing

Our underground cable monitoring solution provides enhanced reliability, cost efficiency, and improved safety through comprehensive monitoring of temperature, acoustic signals, and vibration across the

RaySense Buried Fiber Optic Intrusion Detection System

RaySense DAS is a security system that offers fiber optic monitoring capabilities. It can provide 100% perimeter coverage for long-range applications without sensor

Cable Buried Price, 2026 Cable Buried Price Manufacturers

Our comparison guide covers top distributor reliability, recent price shifts, and customization options, all key for electrical OEM projects. Need precise procurement insights? Contact us for tailored price lists.

Fiber Cable Monitoring System, Fiber Network Management | GLSUN

GLSUN''s fiber cable monitoring system combines with OTDR, optical switches and network management software to form a speedy and intelligent integrating functions of testing, analysis,

Direct Buried CT FRP

For fiber optic monitoring systems. Have a question? Applied in tubes, ducts, trays, blocks, tunnels, collecting channels, with no risk of rodent attacks. Also applied for aerial installation between

Onshore | NKT

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By leveraging sophisticated technology, cable monitoring systems provide insights into the health, performance, and security of your cables, helping you prevent issues before they become critical.

On-line Monitoring Method for Burial Depth of Submarine Cable

By analyzing the external marine ambient noise field captured by the existed dark fiber inside the submarine cable, a new buried depth monitoring method of submarine cable based on

Direct Buried Fibre Optic Cable Price And Installation

HOC produces all types of direct buried fibre optic cable, and supply with customized specifications for your project. Get a quote today!

Direct Buried Fiber Optic Cable

Whether it''s a solid armored fiber optic cable buried directly in the ground, or a conduit that can pass anything, a direct burial fiber optic cable is an ideal

Direct Buried Fiber Optic Cables | Optical

In the absence of duct infrastructure, cables can be buried directly into the ground in a trench or using a vibratory plow.

Direct Buried

Direct Buried MT GSW2 Special When it is not possible to suspend the cable on the overhead towers or install it into cable ducts, cable is laid into the ground. This is more expensive than overhead

Recommendation ITU-T L.101 (08/2024)

Recommended technical requirements are detailed by reference to IEC 60794-3-11 on outdoor optical fibre cables for duct, directly buried, and lashed aerial applications. Changes and

24 Cores GYTA53 Fiber Optic Cable Direct Buried Price & Datasheet

24 Cores GYTA53 fiber optic cable Double Armored & Double PE Sheathed is the steel tape armored outdoor fiber optic cable and gel-filled PBT loose tubes, and wrapped around a

Directly Buried Optical Cable

GYTY53 is a rugged single-armored, double-jacket outdoor fiber optic cable specifically engineered for direct burial applications. Designed to withstand harsh underground conditions, it features a

direct burial fiber optic cable

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Application: JINLONG double Jacket and double Armored cables are designed for direct burial installation with lashing method. The loose tube design with a

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Technical inquiry: https://cgweb.co.za/project-enquiry.html

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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