

Price of Railway Optical Cable Detector



AI Overview

Railway optical cable detectors typically range from ₹17,000 to over ₹98,000 for standard cable locators, while advanced fiber optic railway monitoring systems are custom-priced based on installation and specifications.

General Cable Detector Pricing

For standard optical cable detectors and cable locators available in India, prices start at approximately ₹17,000 for basic models from suppliers like Gupta Traders, with mid-range options around ₹75,000 (Best Choice Technologies) and higher-end models reaching ₹98,000 (Galaxy Technocom) for more advanced detection capabilities. These devices can detect underground cables, signal direction, and depth, suitable for general infrastructure monitoring.

Advanced Railway Fiber Optic Monitoring Systems

For specialized railway applications, companies like AP Sensing and HAWK Fiber Optics provide Distributed Fiber Optic Sensing (DFOS) systems. These systems include:

- Distributed Acoustic Sensing (DAS):** Detects train movements, track faults, intrusions, and overhead line issues in real time.
- Distributed Temperature Sensing (DTS):** Monitors temperature variations along tracks, tunnels, and cable ducts to detect fires or hotspots.
- Distributed Temperature & Strain Sensing (DTSS):** Measures strain to detect structural health issues on bridges, tunnels, and tracks.

These systems are custom-engineered for each railway network, and pricing depends on factors such as track length, number of sensors, integration with management platforms like SmartVision, and installation complexity. Typically, costs for such advanced systems are significantly higher than standard cable locators and require direct consultation with the supplier for a quote.

Supplier Guidance

- AP Sensing:** Offers end-to-end railway monitoring solutions with global certifications and integration capabilities.
- HAWK Fiber Optics:** Provides Praetorian fiber optic sensing for railways, capable of detecting rail deformation, cracks, and intrusions.
- IndiaMART Suppliers:** For more affordable or smaller-scale optical cable...

Article Content

Enhancing Safety and Efficiency through Effective

Additionally, third party intrusion (including vandalism, intrusions, and cable theft) poses serious risks to the system's integrity. Implementing real-time railway

Sensonic | Monitoring Railway Infrastructure

Sensonic uses fiber optic vibration sensing to monitor track condition, detect landslides, rockfall, trespass, cable events and more.

Optical Measurement System for Monitoring Railway

Optical processes continue to demonstrate their potential in the non-destructive detection of damage, now extending beyond surface-level analysis.

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.

A review of railway infrastructure monitoring using fiber optic sensors ...

This article reviews the current state-of-the-art of fiber optic sensing/monitoring technologies, including the basic principles of various optical fiber sensors, novel sensing and

Indian Railways E-Procurement System (IREPS)

CRIS has issued an Expression of Interest (EOI) for "Audio Alerts on Detection of Obstacles and Signal Aspects" for Indian Railways. (18/02/2026) Click to download the documents EOI Notice IR-USSOR

Underground Cable Locator Price

Underground cable locator HZ-4000 detects cables up to 8m deep. Low price options from \$3.5 to \$15,000 available for verified suppliers. Available for purchase starting with just 1 unit.

RD8000 PDL Locator

RD8000 PDL Locator Cable avoidance tool that is the industry standard and is approved by Network Rail for use on rail infrastructure. It is lightweight and

Optical Fiber Sensors for Monitoring Railway

Railway infrastructures have played a critical role to ensure the continuity of goods and passenger transportation in China. Under extreme

Fiber Optic Cables: The Future of Railroad Safety

Fiber optic cables, traditionally known for their role in providing high-speed internet, are now being harnessed to enhance railroad safety through a

MXL4 Precision Pipe & Cable Locator Supplier in India

Stanley C. Scope MXL4 pipe & cable locating equipment are high performance cable avoidance tools for long distance tracing used in

Fiber Optic Sensing in railways

Fiber optic sensing is revolutionising the way railways monitor their infrastructure. Sensonic's latest blog post explores the advantages of this

Cable Locator

Find here Cable Locator, Cable Detector manufacturers, suppliers & exporters in India. Get contact details & address of companies manufacturing

DISTRIBUTED FIBER OPTIC SENSING

Our monitoring solutions are based on DFOS, which is rapidly becoming the detection method of choice. With our solution, existing track-side telecommunication and fiber optic signaling cables can be

Enhancing Safety and Efficiency through Effective

Discover how AP Sensing's fiber optic tech, like DAS and SmartVision, enhances railway safety, efficiency, and predictive maintenance with real-time data.

DwyerOmega | Shop for Sensing, Monitoring and

Explore DwyerOmega's comprehensive range of industrial sensing, monitoring, and control solutions from thermocouples to pressure transducers engineered for

Railway Security Solution

Cable Theft: troughed optical fiber co-located with copper cables provides detection and classification of typical activities associated with theft, e.g., trough lid removal, cable interference, cutting, pulling, etc.

Price List For Railway Optical Cable Detectors jobs in ...

Today's top Price List For Railway Optical Cable Detectors jobs in United States. Leverage your professional network, and get hired.

Railway traffic monitoring with trackside fiber-optic cable

In this study, we conduct an investigation on railway traffic monitoring using DAS data acquired by a 2-km trackside telecommunication fiber-optic

Brochure_Application_Railway_Monitoring_2025-06_EN_A11

Our monitoring solutions are based on DFOS, which is rapidly becoming the detection method of choice. With our solution, existing track-side telecommunication and fiber optic signaling cables can be

RADIODETECTION CAT 4 + CABLE AVOIDANCE

Use this cable avoidance tool along with the Genny4 in Genny mode to detect the Genny signals and locate further and deeper, making your job easier. The

Distributed Acoustic Sensing (DAS) | C-OTDR | AP Sensing

Distributed Acoustic Sensing technology uses simple fiber optic cables and can even leverage existing fiber optic cables, reducing the need for additional hardware and installation costs. This makes DAS

Optical Cable Detector

Optical Cable Detector DTR-500+ can quickly and effectively detect the direction and depth of underground optical fiber cable with signal strength & direction indication.

Global Optical Cable Detector Market Size, Share, Industry Growth ...

Evaluate comprehensive data on Optical Cable Detector Market, projected to grow from USD 1.2 billion in 2024 to USD 2.5 billion by 2033, exhibiting a CAGR of 8.8%. This report provides strategic

DTR-500 + Optical Cable Detector

DTR-500+ can quickly and effectively detect the direction and depth of underground optical fiber cable with signal strength & direction indication.

Fiber Optic Monitoring for Railroad Infrastructure

The Praetorian Fiber Optic Sensing System can detect rail deformation, rail cracks, intrusion, and track health.

Price of railway optical cable splicing equipment Germany

We are a medium-sized cable assembly company based in Dunningen, in the Rottweil district, that maintains a partnership-based and trustworthy relationship with customers and suppliers.

Radiodetection C.A.T4 EN29 | Cable Avoidance Tool

It utilizes a high-speed Avoidance Mode™ to simultaneously detect Power, Radio, and Genny signals for safer excavation. The Radiodetection C.A.T4 EN29 is an advanced digital platform engineered to

Optical Fibres for Condition Monitoring of Railway

The condition of railway infrastructure is currently assessed by track recording cars, wayside equipment, onboard monitoring techniques and visual

unsupervised_topic_modeling/topics/en/17/100/100/topics at ...

Contribute to annontopicmodel/unsupervised_topic_modeling development by creating an account on GitHub.

Radiodetection RD8000 PDL Pipe Cable Locator

The RD8000 improves on speed, accuracy and reliability yet remains a cost-effective solution delivering unique user features. Powered by a digital architecture, RD8000 delivers a highly controllable and

Fiber Optic Sensing Systems for Railways

To request a quote for our Praetorian fiber optic sensing for railways or to learn more about other types of products we have to offer such as conveyor health monitoring systems, perimeter security and

Contact Us

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