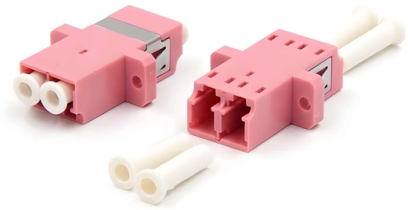
Rail Transit Power Optical Cable Enterprises



Overview

Shawflex has been a leading supplier of wire and cable products in the transit market for over 15 years!

Key Takeaways

Leading enterprises in rail transit cables include Tratos, Prysmian, Shawflex, Eupen, and APAR, offering power, signalling, and fibre optic solutions for railway and mass transit systems.

Key Enterprises and Their Offerings

Tratos Group specializes in high-performance railway cables, including medium and high-voltage power cables, signalling, control, and fibre optic cables. Their products are fire-resistant and meet international standards such as Italferr and IMQ. Tratos also provides theft-prevention technologies and ruggedised fibre optic cables (DISAF) for high-speed rail and urban transit applications, with certifications from Network Rail for traction power and signalling systems.

Prysmian Group offers a comprehensive range of railway cables, including medium and low-voltage power, communication, control, and signalling cables. They support advanced operational systems like ETCS, GSM-R, and CBTC, and provide cable accessories such as LV joints, cleats, and tunnel lighting systems. Prysmian emphasizes fire resistance, EMC performance, and mechanical durability for global rail infrastructure.

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Shawflex manufactures transit-specific cables for signalling, power, and control circuits. Their products include armoured and unarmoured cables, suitable for aerial, duct, and direct-burial installations. Shawflex traction power cables are designed for tunnels and populated areas, offering low smoke emission, fire retardancy, and flexibility, compliant with AREMA, CSA, UL, and NFPA standards.

Eupen Cable produces a wide portfolio of rail infrastructure cables, including medium and low-voltage power, signalling, communication, fibre optic, high-frequency coaxial, and radiating cables. Their flame-retardant and halogen-free designs meet high safety standards for tunnels and stations, supporting modern mobility requirements.

APA

R provides a broad range of locomotive and rolling stock cables, including power, control, communication, heating, and ventilation wiring. Their solutions cover catenary lines, high and medium voltage feeders, signalling, fibre optic, and coach wiring.

APA

R cables comply with IS, EN, IRIS, and other international standards, ensuring reliability, safety, and ease of installation for rapid transit and underground rail systems.

Summary

These enterprises collectively address the full spectrum of rail transit cabling needs, from traction power and signalling to fibre optic communication, with a focus on safety, fire resistance, and compliance with international standards. They serve high-speed rail, metro, light rail, and underground transit systems worldwide, providing both cables and installation accessories to ensure robust and efficient railway operations.

Article Content

Shawflex Transit Cables | Signal, Power & Control for

Shawflex has been a leading supplier of wire and cable products in the transit market for over 15 years! We offer solutions that cover a variety of applications

Rail and Transit Cable Market Size, Share, and Industry Trends

Power cables command the largest installed base across electrified networks, while data cables represent the fastest-expanding category as Communications-Based Train Control and Ethernet train

Top 10 Companies in the Rail and Transit Cable Market (2025):

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In this blog, we profile the Top 10 Companies in the Rail and Transit Cable Industry —a group of global specialists and industrial giants whose products form the vital nervous system of the

Wire and Cable

Milrail is one of North America''s largest railway signal cable distributors. We offer Signaling and Train Control Cables that meet standards and certification for

Railway & Mass Transit Cables

In the last 50 years, Tratos has been key in helping enhance many of the existing Fire Performance standards for cables within the Railway and Mass Transit applications, developing new solutions for

Transportation

Our Accessories business manufactures all methods of high and low power bus and cable connectors and fittings in both aluminum and bronze for distributing power from the utility grid to connection

Cable Solutions for Railway | Prysmian

We offer medium and low-voltage power cables, communication cables (also with optical fibre), and control and signalling cables and a full range of products

Rail and Metro Power Solutions | TE Connectivity

We have a long history and proven track record of providing high-performing, durable electrified rail and metro connectivity solutions that withstand diverse and harsh environments.

Rail Transit Cable Manufacturer & Supplier | Everway

From high-speed trains and urban metro systems to heavy-haul freight lines, these cables ensure that every component of the vast rail network communicates and

Industry Optical WAN

Huawei''s WAN Optical Industry Network uses the latest hard pipe technologies like fgOTN and OSU to develop an all-optical communication solution with ultra

Transit Europe-Asia (TEA) Terrestrial Cable Network

The TEA (Transit Europe-Asia) is a terrestrial cable network between Europe and Asia via the territory of Russia. The TEA terrestrial cable network enables a short latency and stable

Buy Rail & Transit Cables – High-Performance Railway Wire in Stock

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Rail and Transit ElectroWire has been supplying wire, cable and assemblies to the railroad and transit industry for over 40 years. We strive to deliver high-performance rail and transit power products to

Explore Our Train Wire & Cable Offerings

Southwire''s train wire and mass transit power cable products provide innovative and sustainable solutions for electrified rail and transit systems.

Urban Rail Optical Communication Solution | Huawei Enterprise

Smart urban rail is key to improving operating efficiency and the passenger experience, overcoming the key challenges the industry now faces.

Transit Traction Power Cables: Replacement Guidelines

The transit industry in the United States uses insulated cables for traction power supply and negative return cables between traction power substations, tie switches, and points of delivery to transit

Railway & Mass Transit Cables

Continued investment has delivered a wide spectrum of specialised railway'' cable solutions: from Medium voltage & High voltage cable for connection to

Signalling Cables for Railways

Tratos Signalling Cables Power & Control cables manufactured to meet Rail Industry specifications, approvals and quality standards with bespoke solutions.

Overhead line

Non-electric locomotives (such as diesels) may pass along these tracks without affecting the overhead line, although there may be difficulties with overhead clearance. Alternative electrical power

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