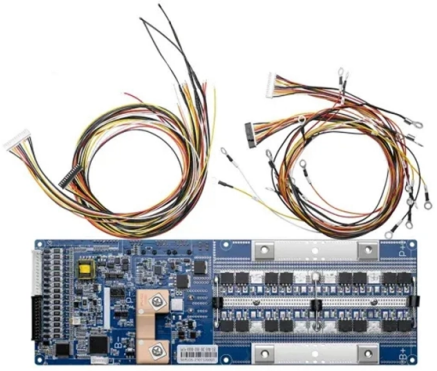
ZITHA TECH SPECIALTY CABLES (Pty) Ltd

Manufacturer of steel wire optical cables for smart buildings



Overview

Smart Building Products at OmniCable | OmniCableFrom custom cutting and kitting to blind drop shipping and same-day delivery, our services simplify deploym.

Key Takeaways

Leading manufacturers of steel wire optical cables for smart buildings include ZTT International, Fasten, Hengtong Group, Zion Communication, and Belden.ZTT International

ZTT produces Optical Fiber Composite Overhead Ground Wire (OPGW) and other steel-reinforced optical cables. Their products feature stainless steel or aluminum-covered steel tubes that protect optical fibers from corrosion and mechanical stress, making them suitable for high-strength applications in smart building infrastructure and power networks. ZTT has manufacturing bases in China, India, Indonesia, and Brazil, with a production capacity of approximately 82,000 km, and their cables are used in over 120 countries, ensuring global availability and quality certification compliance .

Fasten



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Fasten manufactures a wide range of steel wires, wire ropes, and fiber optic products. Their production includes precast parallel steel wire cables, epoxy-coated PC strands, and stainless steel optical cables. These products are widely applied in high-rise buildings, bridges, and smart infrastructure projects. Fasten operates advanced production facilities with ISO9001 and ISO14001 certifications, producing over 850,000 tons of wire and rope products annually, including specialized steel wire optical cables for structural and communication purposes .

Zion Communication

Zion Communication specializes in OPGW cables, which combine aluminum and steel layers with embedded optical fibers. These cables provide both mechanical strength and high-speed data transmission, making them suitable for smart building networks and power line communication. Their OPGW products are designed for aerial installation and dual-purpose use: lightning protection and optical communication .

Hengtong Group

Hengtong Group manufactures fiber optic cables and steel-reinforced optical solutions for industrial and building applications. They invest heavily in R&D and factory automation, ensuring high-quality production. Their products are certified by CE, KEMA, BV, UL, and other international standards, making them suitable for smart building integration and industrial networking .

Belden

Belden provides networking and cable solutions specifically for smart buildings, industrial automation, and broadcast markets. Their portfolio includes fiber optic cables with steel reinforcement for durability and high-performance data transmission, supporting modern building automation, IoT, and communication systems .

Summary

For smart building projects requiring steel wire optical cables, these manufacturers offer reliable solutions with global reach, certified quality, and proven applications in high-rise buildings, bridges, and industrial infrastructure. Selection can be based on project scale, required mechanical strength, fiber count, and compliance with international standards.

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TE manufactures a wide range of wire and cable products, including hook up wire, cable assemblies,

Manufacturers

Designs and manufactures industrial grade fiber optic and ethernet based products including managed switches, media converters,

Building Automation Cables

Windy City Wire manufactures low-voltage SmartWire cable in the United States for commercial and industrial

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Remee Wire & Cable A US-based manufacturer, Remee specializes in highly customizable wire and fiber optic cable

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Cables are the unseen infrastructure that move power and data through factories, utilities, rail and transit systems, oil

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