

JEWELBLU OPTICAL SYSTEMS

Supplier of outdoor optical cables for broadcasting



Overview

Broadcast/AV OCC's broadcast cables thrive in stadiums and arenas, withstanding difficult cable pulls, high-tensile loading, and severe crush Outdoor Fiber.

Key Takeaways

Leading manufacturers of outdoor optical cables for broadcasting include ZTT, Corning, and Optical Cable Corporation (OCC), offering rugged, high-performance fiber solutions for harsh environments. Key Manufacturers



1. ZTT International Limited ZTT is a global leader in outdoor fiber optic cable systems, providing solutions for telecommunication and broadcasting applications worldwide. Their products include loose tube, tight buffer, and semi-tight buffer cables with various strength members (FRP, steel wire, aramid yarns) and armored options (steel tape, aluminum tape). ZTT cables are designed for extreme conditions, including low temperatures down to -60°C, ice thickness up to 30mm, and high-voltage installations up to 330kV. They also offer rodent-resistant, flame-retardant, and micro-bundle cables suitable for broadcast networks . 2. Corning Corning manufactures outdoor fiber optic cables engineered for aerial, duct, and direct-buried installations. Their loose tube and ribbon cables support high fiber counts (up to 432 fibers) and are designed to withstand environmental extremes, UV exposure, and mechanical stress. Corning's cables include armored and dielectric options for protection against rodents and high-voltage lines, as well as gel-filled or dry (gel-free) designs for optimal performance in outdoor broadcast deployments . 3. Optical Cable Corporation (OCC) OCC specializes in high-performance fiber optic cables for broadcast and industrial applications. Their products include hybrid SMPTE cables, military-grade tactical fiber, and rugged outdoor cables designed for harsh environments. OCC has a strong reputation for supporting major live events, sports broadcasts, and political coverage, offering solutions that combine durability, easy installation, and reliable connectivity under extreme conditions .

Considerations for Broadcast Applications

- Cable Type: Loose tube cables are common for outdoor installations, while ribbon cables allow higher fiber density and faster mass fusion splicing.
- Armor and Protection: Armored cables are recommended for direct burial or areas with rodent activity; dielectric cables are suitable near high-voltage lines.
- Environmental Resistance: Look for cables rated for wide temperature ranges, UV resistance, and moisture protection.
- Installation Method: Options include aerial, duct, microduct, or direct burial, depending on the broadcast infrastructure. These manufacturers provide a range of outdoor optical cables that meet the demanding requirements of broadcasting, ensuring high reliability, long-term performance, and compliance with international standards.

Article Content

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Broadcast deployable fiber optic cable is created for temporary high speed data networking in rough

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Sopto manufactures and supplies a series of outdoor fiber optic cable,including Submarine Fiber Cable,Air blowing Fiber

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Canford

Everything in pro audio and video from cable to connectors, microphones to mixers, media to multitrack, tannoy to

Outdoor Fiber Optic Cable | Outside Plant Fiber (OSP) Cable

Fiber optic cables for outdoor applications are engineered to withstand the more demanding conditions seen outside, from

Fiber Optic Cables | Corning

With 2 billion kilometers of fiber optic cables installed around the globe, Corning continues to lead the

Outdoor Fiber Optic Cable Supplier | High quality and cost ...

Opelink manufactures high-quality outdoor fiber optic cables designed for harsh environmental conditions and long-distance

Fiber Optic Cable

Belden's extensive line of indoor and outdoor cable products is offered in tight buffer and loose tube designs. Learn more about each

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Tactical polyurethane multimode OM1/OM2/OM3/OM4 outdoor broadcast transition optical cable is a

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Outdoor optical cable

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Fitting for outdoor wiring environments, our outdoor optical cable are durable through their thick coating

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Proterial Cable America is proud to utilize Corning Optical Fiber as our standard optic fiber. All of our custom outdoor patch cords are

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