

A reputable manufacturer of cored outdoor optical cables



Overview

Corning offers a comprehensive portfolio of outdoor cables with fiber counts ranging from a single fiber to 6,912 fibers.

Key Takeaways

Hengtong, Corning, ZTT International, Lightem Technologies, and UnitekFiber are leading manufacturers of high-quality cored outdoor optical cables. Hengtong Optic-Electric Co., Ltd

Hengtong is one of the largest optical fiber and power cable manufacturers in China, ranked among the top 10 globally. They offer customized outdoor optical cables with advanced PCVD technology for precise refractive index distribution, bend-insensitive fibers, and durable sheaths suitable for harsh outdoor environments. Hengtong provides solutions for aerial, buried, and pipeline installations, ensuring long service life and reliable performance in extreme conditions .

Corning

Corning is a globally recognized manufacturer of outdoor fiber optic cables, including loose tube and ribbon designs. Their cables are engineered for aerial, duct, and direct burial applications, with features to resist UV light, temperature fluctuations, and mechanical stress. Corning also offers micro cables for space-efficient installations and supports high fiber counts up to 3,456 fibers, making them suitable for large-scale telecom networks .

ZTT International Limited

ZTT specializes in outdoor optical fiber cable systems with a wide range of constructions, including loose tube, tight buffer, and semi-tight buffer designs. Their cables incorporate strength members (FRP, steel wire, aramid yarns), water-blocking materials, and armored options for extreme environments. ZTT cables comply with international standards (IEC, IEEE, EIA/TIA, BS EN) and can be customized for rodent protection, flame retardancy, and high-voltage applications .

Lightem Technologies

Lightem offers a variety of outdoor fiber optic cables, including central loose tube armored, duct armored, direct buried, steel wire armored, and ADSS cables. Their loose tube stranding technology ensures fibers remain stress-free under longitudinal stress, while steel wire armor provides high tensile, crush, and impact resistance. These cables are designed for a 25-year lifecycle without significant deterioration .

UnitekFiber

UnitekFiber manufactures indoor and outdoor fiber optic cables, MPO/MTP patch cords, and SFP transceivers. Their outdoor cables are widely used in 4G/5G networks, data centers, and cloud computing, offering reliable performance and cost-effective solutions for global deployments .

Summary

For cored outdoor optical cables, these manufacturers provide proven reliability, global distribution, and technical expertise. Hengtong and ZTT are particularly strong in customized solutions for extreme environments, Corning excels in high fiber count and micro cable technology, while Lightem and UnitekFiber offer versatile armored and direct-burial options suitable for telecom and industrial applications. Choosing among them depends on your specific project requirements, environmental conditions, and fiber count needs.

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