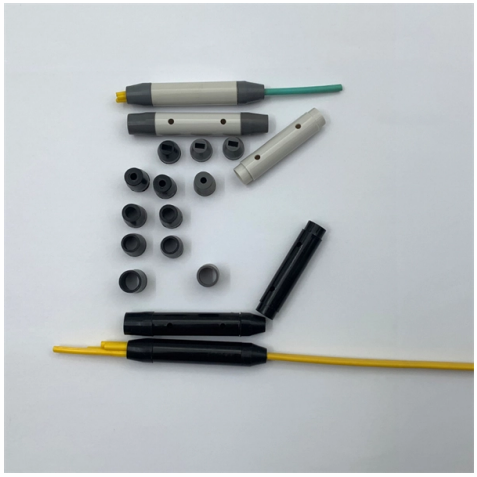
ZITHA TECH SPECIALTY CABLES (Pty) Ltd

The best domestically produced optical cable



Overview

Top US Fiber Optic Cable Manufacturers & Best Global Looking for top fiber optic companies in the USA?

We review leaders like Corning & AFL, and 2026 Top 8.

Key Takeaways

Corning Inc. and Superior Essex are among the top U.S.-made fiber optic cable manufacturers, offering high-performance, BABA-compliant solutions for critical infrastructure and broadband projects.Leading U.S. Manufacturers



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1. Corning Inc. Corning, headquartered in Corning, NY, is a pioneer in fiber optics, having invented low-loss optical fiber in 1970. Their SMF-28® Contour™ Fiber and G.654.E ultra-low-loss fibers are widely used in long-haul telecommunications, hyperscale data centers, and 5G networks. Corning's cables are known for high reliability, low attenuation, and bend-insensitive designs, making them ideal for mission-critical applications. They also comply with Build America, Buy America (BABA) standards for government-funded projects . 2. Superior Essex Based in Atlanta, GA, Superior Essex focuses on sustainable, high-performance fiber optic cables. Their EnduraSpan ADSS and OSP hybrid cables are designed for outdoor, aerial, and campus deployments. Superior Essex emphasizes eco-friendly manufacturing and BABA compliance, making them a preferred choice for federally funded broadband initiatives . 3. OFS Fitel, LLC OFS, headquartered in Norcross, GA, specializes in bend-insensitive fibers and FTTx solutions. Their InvisiLight® plug-and-play system is ideal for tight spaces and complex indoor/outdoor installations. OFS is recognized for industrial, medical, and subsea fiber applications, offering high-quality U.S.-made optical cables . 4. AFL Telecommunications LLC AFL, based in Duncan, SC, is a leader in utility and energy sector fiber solutions, including OPGW and armored cables. Their products are robust, suitable for harsh environments, and fully manufactured in the U.S., meeting BABA requirements . 5. Proterial Cable America Proterial Cable America, with facilities in Manchester, NH, produces high-performance indoor/outdoor fiber optic cables. Their offerings include armored, tight-buffered, and multi-fiber assemblies, all BABA-compliant and widely used in data centers and enterprise networks .

Key Considerations for Choosing Domestic Fiber

• Compliance: Ensure the cable is BABA-compliant for federally funded projects .

• Application: Long-haul vs. data center vs. FTTx; single-mode for long distances, OM4/OM5 multimode for short-range high-speed networks .

• Durability: Outdoor, armored, or bend-insensitive designs for harsh environments .

• Manufacturer Support: Technical assistance, installation guidance, and warranty coverage are critical for large-scale deployments .

Recommendation

For high-performance, U.S.-made optical cables, Corning Inc. is the industry standard for long-haul and hyperscale applications, while Superior Essex is ideal for sustainable, BABA-compliant broadband and campus networks. OFS, AFL, and Proterial Cable America provide specialized solutions for FTTx, utility, and enterprise deployments, ensuring reliable domestic sourcing and compliance with federal requirements .

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