

Top 10 Finished Optical Cable Manufacturers



Overview

This section provides an overview for fiber optic cables as well as their applications and principles.

Key Takeaways

The leading optical cable manufacturers in 2025 are Corning, Prysmian, Sumitomo Electric, Furukawa Electric, Hengtong, YOFC, LS Cable & System, CommScope, Sterlite Technologies, and CommMesh.1. Corning Incorporated

Corning is a global pioneer in optical fiber technology, known for inventing low-loss optical fiber and producing high-purity glass for telecom backbones. Their products include single-mode and multi-mode fibers, fiber optic cable assemblies, and advanced connectivity solutions. Corning emphasizes R&D and maintains a dominant global market position .

2. Prysmian Group

Headquartered in Italy, Prysmian specializes in energy and telecom cable systems, including submarine cables for intercontinental data transmission. They operate in over 50 countries and focus on high-performance optical fibers and sustainable manufacturing practices .

3. Sumitomo Electric Industries



Founded in 1897, Sumitomo Electric is a Japanese leader in advanced fiber optic cables and connectivity solutions. They serve telecommunications, automotive, and electronics sectors, offering high-performance fibers, optical components, and network devices with strong R&D support .

4. Furukawa Electric

Furukawa Electric, established in 1884, provides advanced fiber optic solutions for telecom, energy, automotive, and electronics industries. They are known for durable, high-density fibers and global operations, particularly in Asia, North America, and Europe .

5. Hengtong Optic-Electric

Hengtong, based in China, is a major manufacturer of optical fibers and cables, offering solutions for FTTH, enterprise networks, and submarine applications. They focus on innovation, global exports, and sustainable production .

6. Yangtze Optical Fibre and Cable (YOFC)

YOFC, founded in Wuhan, China, produces G.654.E fibers for ultra-long-haul networks and bend-insensitive fibers for urban FTTH. They export to over 80 countries and invest heavily in R&D for 400G+ systems and submarine cables .

7. LS Cable & System

South Korea's LS Cable & System specializes in hybrid power-fiber cables for telecom and energy sectors. They provide armored and low-latency fibers for offshore and 5G applications, with a strong global presence in over 50 countries .

8. CommScope

U.S.-based CommScope offers a broad portfolio for enterprise and outdoor networks, including SYSTIMAX MMF and SMF solutions. They focus on smart building integration, 5G-ready fibers, and sustainable manufacturing .

9. Sterlite Technologies (STL)

Sterlite Technologies, headquartered in India, provides optical fiber, cables, and network solutions for telecom and data center applications. They emphasize high-speed connectivity, global projects, and innovative fiber solutions .

10. CommMesh

CommMesh is an emerging player offering cost-effective fiber optic solutions with a focus on innovation, flexible deployment, and competitive pricing. They complement the market with specialized products for enterprise and telecom networks . These ten companies represent the most influential and technologically advanced optical cable manufacturers worldwide, shaping the global fiber optic infrastructure for telecommunications, data centers, and enterprise networks.

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27. Yangtze Optical Fiber and Cable Joint Stock Limited Company Yangtze Optical Fiber and Cable JSC is a global leader in optical

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