



Price quote for 288-core optical fiber cable

Article Overview

A 288-core optical fiber cable typically costs between \$0.50 and \$6 per foot, depending on type, armoring, and installation requirements.

Material Costs

The cost of a 288-core fiber optic cable varies widely based on construction and fiber type. For bulk wholesale purchases, prices can start around \$0.50 per foot, while retail or pre-terminated assemblies can reach \$6 per foot or more for high-performance single-mode cables suitable for backbone installations . Armored cables with corrugated steel tape (CST) and flame-retardant sheaths, such as multi loose tube 288-core CST fiber cables, are on the higher end due to enhanced durability and protection for outdoor or direct burial applications .

Cable Construction

A typical 288-core cable is constructed with 24 loose tubes, each containing fiber jelly compound, stranded around a central strength member (CSM), and wrapped with water-blocking glass yarn and CST armoring. The outer sheath can be made of PE, LSZH, or flame-retardant materials, suitable for both interior and exterior installations . Single-mode fiber is generally preferred for long-distance, high-speed transmission, while multimode fiber may be used for shorter runs.

Installation Considerations

Installation costs depend on the environment and method:

- o Indoor runs: \$0.40-\$1.00 per foot for cable, plus labor \$1.00-\$3.00 per foot depending on complexity .
- o Outdoor or direct burial: Armored cables and trenching increase costs, with total project estimates ranging from \$4,940 to \$14,500 for typical runs of 2,000-5,000 feet, including labor, permits, and accessories .
- o Connector type, splicing, and termination also affect the final price.

Summary

For budgeting purposes, a 288-core optical fiber cable can be expected to cost:

- o Material only: \$0.50-\$6 per foot depending on fiber type and armoring .
- o Installed cost: \$2-\$3 per foot for simple indoor runs, \$5-\$6 per foot for outdoor or armored installations with splicing and testing included . Selecting the right cable depends on your network requirements, distance, and



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environmental conditions, and contacting suppliers directly can provide precise quotes tailored to your project. Suppliers in China and global markets offer customizable 288-core cables with various sheath materials and armoring options .

Fiber Optic Cable, Optical Fiber Cable, Outdoor Fiber Cable manufacturer / supplier in China, offering 2-288 Core Dongguan Light

FastFibre Loose Tube Fibre Cable up to 288 fibres, Cut to Length. See our website for details or contact us for more information

Explore competitive pricing and quality products with KOCENT OPTEC LIMITED. We specialize in OEM 288 Core Fiber Optic

Ribbon fiber cable is making a series of separate fiber (4F, 6F, 8F,12F and so on) bond each other, which is grouped together to be a

CORNING | 288EU4-T4101D20 ALTOS Loose Tube, Gel-Free Cable, 288 fiber, Single-mode (OS2), max. attenuation 0.4 dB/km

Fo cable cut 12/24/48/96/144/288 core adss Price listed is price /m This is not a used or disinfectant cable... this is a new cut cable

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288 Count OSP Fiber Optic Cable 288ct Corning HYBRID 192 Ultra Max, 288XUC-CR280D46, 6,473" 359881 Part Number: 288XUC

Another important aspect of the composition of 288 core bulk fiber optic cable price per meter and wires is whether or not they are

288 Core 9/125 Singlemode MLT Microduct Fibre Cable 200um G657a1 8.2mm Please note this cable is used for blown systems

It is the stranded loose tube fiber optic cable with compact structure; the cable jacket is made of strong



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Polyethylene; High strength

As fiber optic communications systems are expanded to accommodate rapidly growing communications

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