

Price list of optical cable outer sheath materials

Article Overview

The price of optical cable outer sheaths varies widely depending on material, type, and customization, typically ranging from a few dollars per meter for standard PVC or PE sheaths to higher costs for armored or specialized industrial-grade sheaths.

Factors Affecting Price

o Material Type

o Common materials include PVC, PE, TPE, neoprene, and NBR, each offering different flexibility, UV resistance, and environmental protection. Industrial or high-temperature applications may use epoxy or polyurethane, which are more expensive due to chemical curing and durability requirements .

o Metal sheaths (steel or aluminum) provide mechanical strength and EMI shielding, significantly increasing cost compared to plastic sheaths .

o Cable Type and Structure

o Outdoor armored cables with double jackets, water-blocking gels, and steel tape (e.g., GYTY53 144-core fiber optic cable) are more expensive due to enhanced protection and installation suitability for harsh environments .

o Indoor or general-purpose networking cables with simple PVC sheaths are cheaper and suitable for low-voltage applications .

o Customization and Additives

o Features like UV protection, anti-static properties, color coding, or flame retardancy can increase the price .

o Custom lengths, diameters, or OEM specifications also affect cost, with bulk orders often reducing per-meter pricing .

o Market and Supplier Factors

o Prices fluctuate with raw material costs (e.g., copper or plastic masterbatch), supplier location, and order volume .

o Wholesale or factory-direct purchases typically offer more competitive pricing than retail options .

Typical Price Ranges

o Standard PVC/PE sheaths: approximately \$0.50-\$2 per meter for basic indoor or outdoor cables .

o Armored or industrial-grade sheaths: can range from \$3-\$10 per meter or higher depending on fiber count, protective layers, and environmental resistance .

o Customized or specialty sheaths: prices vary widely and require direct supplier quotations for accurate estimates . For precise pricing, it is recommended to contact suppliers directly with your specifications,

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including cable type, sheath material, fiber count, and installation environment, to obtain tailored quotations.

Please refer to the Product Specifications sections located in the OCC Product Catalog for the various cable types and fiber counts

XLPE (Cross-Linked Polyethylene) - provides a tough, moisture, chemical and weather resistant sheath material. Used mainly as an

The main function of the fiber cable outer sheath is to protect the optical fibers in the optical cable from external damage.

The NEK 606 standard qualifies two types of outer sheath: SHF1 and SHF2. We tell you more about the two kinds of outer sheaths

The optical cable sheath market constitutes a critical segment within the broader fiber optic infrastructure ecosystem,

Sourcing Guide for Cable Outer Sheath Material: Our electronics supplier database is a comprehensive list of the key suppliers,

The convergence of material science, automation, and AI will redefine industry benchmarks, positioning the optical

Instrument Cables Sheath Material Sheath of the cables are used to protect the cables from damage. Instrument

OUTER JACKET MATERIALS OCC CABLE JACKET MATERIAL REFERENCE GUIDE The table below is provided as a general

Understanding Cable Sheath: LSZH vs HDPE vs LDPE In FTTH and FTTx networks, cable sheath material is often

Explore the 5 key fiber optic cable components and materials used in modern networks.

Indoor fiber optic cables are an essential component of modern telecommunications infrastructure, providing fast and

The single loose tube cables consist of 2 to 24, 250 µm optical fibres in a single gel filled loose tube with helically applied E-glass non

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*List Price in " per metre 11.5% 7.5% 4.5% ... Note : o The above rates are exclusive of GST & any other statutory levies which shall

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Eine seriösere Methode ist der physische Schutz, wobei Aramidgarn und metallgepanzerte Materialien verwendet

Web: <https://morwarreconst.co.za>

