

Are fiber optic patch cords for surveillance expensive How much do they cost



AI Overview

Fiber optic patch cords for surveillance are moderately priced, typically ranging from \$5 to \$50 per cord depending on type, length, and quality. Typical Price Ranges The cost of fiber optic patch cords varies widely based on several factors: Length: Shorter cords (1-3 meters) are generally cheaper, while longer cords increase linearly in cost. Fiber Type: Single-mode (OS2) cords are usually less expensive per foot than multimode (OM3/OM4) cords, but multimode is often preferred for high-speed surveillance networks. Connector Type: LC-LC, SC-SC, or MPO/MTP connectors affect pricing. High-precision connectors like MPO/MTP for multi-core applications are more expensive due to alignment and polishing requirements. Jacket and Armoring: LSZH jackets for indoor use are cheaper, while armored cords for outdoor or harsh environments can cost 20-50% more. For example, a 3-meter LC-LC OS2 patch cord can cost anywhere from \$5 to \$20, while high-performance multimode OM3/OM4 cords or armored versions may range from \$25 to \$50 or more. Bulk orders or OEM purchases can reduce unit costs, especially for large surveillance installations. Factors Affecting Cost Quality and Testing: Cords that meet rigorous standards with insertion loss (IL) and return loss (RL) testing, 3D interferometer measurements, and end-face inspections are priced higher. Application Environment: Outdoor surveillance setups may require armored or UV-resistant jackets, increasing cost. Regional Variations: Prices can vary by region due to local standards, building codes, and procurement practices. Summary While fiber optic patch cords are not prohibitively expensive, high-quality, pre-terminated, or armored cords for surveillance can be moderately costly,...

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