

Indoor Drop Fiber Optic Cable Quotation



Overview

FTTH Drop Cable Procurement & Pricing Guidel stepped in to create a procurement and pricing guide that aligned supplier quotes with FTTH Drop Cable Procure.

Key Takeaways

Indoor drop fiber optic cables typically range from \$0.55–\$0.65 per meter for armored 2-fiber cables, with LSZH indoor variants available for high-performance FTTH installations.

Product Overview

Indoor drop fiber optic cables are designed for FTTH networks and indoor MDU installations, providing reliable connectivity in tight spaces. Key features include:

- **Fiber Type:** High-quality single-mode OS2 fiber (ITU-T G.657A2) for superior performance and bend-insensitive design to maintain signal integrity in sharp bends or tight routing .
- **Jacket Material:** LSZH (Low Smoke Zero Halogen) for safety and compliance with indoor installation standards .
- **Strength Members:** Dual steel wires or dielectric reinforcement for tensile strength and protection against accidental stress .
- **Design:** Compact figure-8 or central tube construction for easy handling and installation in vertical or horizontal pathways .
- **Color Coding:** EIA/TIA 598 standard for simplified identification, splicing, and installation

- Applications: Backbone cabling, vertical and horizontal runs within buildings, and direct drop connections to subscriber terminals .

Pricing Guidance

- Bulk Orders: For armored 2-fiber drop cables, prices typically range \$0.55–\$0.65 per meter for orders of 10 km or more .
- Indoor LSZH Cables: Slightly lower cost than armored outdoor variants, but optimized for indoor safety and compliance .
- Factors Affecting Price: Fiber count, armoring, jacket type, certifications, and order volume. Multi-year contracts or bundling with patch cords can reduce total cost .

Supplier Options

- DConnect: Offers certified indoor drop fiber optic cables with OS2 single-mode fiber, LSZH jacket, and bend-insensitive design, suitable for UAE and regional deployments .
- DFT Telecom: Provides a range of indoor fiber cables, including drop cables for commercial and residential use, with central tube construction and ISO9001 certification .
- CommScope: Supplies indoor and indoor/outdoor drop cables with LSZH or flame-rated jackets, multiple fiber counts, and dielectric or armored options .

Procurement Considerations

- Select Cable Type: Determine fiber count, jacket material, and armoring based on installation environment.
- Request Samples: Lab-test for insertion loss, optical return loss, and mechanical ratings before bulk purchase .
- Compare Suppliers: Evaluate price, lead time, warranty, and certifications.
- Contract Terms: Negotiate DDP pricing, payment terms (Net 30/45), and multi-year agreements to secure rates and availability .
- Quality Verification: Check batch certificates and perform random quality tests upon delivery .

By considering these specifications, pricing ranges, and supplier options, you can obtain a reliable quotation for indoor drop fiber optic cables tailored to your FTTH or MDU deployment needs.

Article Content

FTTH Drop Cable — Flat, Round, Self-Supporting | TTI Fiber

Our portfolio includes flat (butterfly) drop cables for indoor wall routing and stapling, round drop cables for duct installation, and figure

Related Video Reference

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