Indoor Drop Fiber Optic Cable Quotation

Overview

FTTH Drop Cable Procurement & Pricing GuideI 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 .

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• 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.

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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

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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