

Price of Optical Cable Terminal Reel

Article Overview

Optical cable terminal reels typically range from \$100 to \$600 per reel, depending on fiber type, length, and reel construction.

Price Range and Factors

The cost of an optical cable terminal reel varies based on several factors:

- o Fiber Type and Core Size: Single-mode (9/125 um) reels are generally more expensive than multimode fibers due to higher performance requirements for long-distance transmission ().
- o Cable Length: Reels with longer cable lengths, such as 500 meters, cost more than shorter reels like 100-250 meters ().
- o Reel Material and Durability: High-impact polystyrene or high-density polyethylene reels designed for outdoor or industrial use increase the price. Features like ergonomic handles, IP54 ratings, and reinforced hubs add to cost ().
- o Pre-Terminated vs. Standard: Pre-terminated reels with connectors ready for deployment are more expensive than bulk cable reels that require field termination ().
- o Special Features: Anti-kink designs, LSZH jackets, and gear-assisted winding mechanisms can raise the price ().

Typical Examples

- o CommMesh Pre-Terminated Fiber Optic Reel: Lightweight, ergonomic, supports single-mode and multimode fibers, suitable for FTTH deployments. Estimated cost: \$200-\$400 depending on length and fiber type ().
- o WuT Duplex Plastic Fiber Optic Cable Reel (500m): Designed for industrial serial terminal connections, likely priced around \$300-\$500 for commercial users ().
- o Industrial Fiber Optic Reels: Heavy-duty reels for high-speed data transmission or harsh environments can exceed \$500-\$600, especially with TFO fiber technology or motorized winding ().

Recommendations

- o For FTTH or small-scale deployments, lightweight pre-terminated reels are cost-effective and easy to handle.
- o For industrial or high-speed applications, investing in durable reels with reinforced hubs and protective jackets ensures longevity and reduces maintenance costs.
- o Always check with suppliers for bulk discounts or commercial pricing, as many manufacturers provide quotes based on order volume (). In summary, the price of an optical cable terminal reel depends on fiber



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type, length, reel construction, and additional features, with typical commercial ranges between \$100 and \$600 per reel.

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Optical fiber reel (also known as mobile cable reel) mainly used for winding optical fiber, signal line, power cord and other cables The

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long-term value benefits for

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