

Price of Parallel Connection Cable for Second-Level Optical Splitter



Overview

Amazon.com: Optical Splitter Cable Check each product page for other buying options. This product has sustainability features recognized by trusted certifi.

Key Takeaways

The price of a parallel connection cable for a second-level optical splitter typically ranges from \$10 to \$50 per meter or per pre-terminated cable, depending on fiber type, connector type, and length.

A parallel connection cable for a second-level optical splitter is used in two-stage FTTH networks, where the first-stage splitter distributes signals to a second-stage splitter closer to end-users (e.g., in a residence or community). These cables connect the first-stage splitter to the second-stage splitter and are usually single-mode or multimode fiber cables with standard connectors like LC, SC, or MPO.

Factors Affecting Price

- **Fiber Type:** Single-mode cables are generally more expensive than multimode due to lower attenuation and longer reach.
- **Connector Type:** Pre-terminated cables with LC, SC, or MPO connectors cost more than bare fiber or field-terminated cables.
- **Cable Length:** Longer cables increase cost proportionally. Standard pre-terminated lengths range from 1 meter to 50 meters.

- **Quality and Certification:** Cables meeting IEC or Telcordia standards, with low insertion loss and high return loss, are priced higher .
- **Outdoor vs Indoor:** Outdoor-rated cables with UV and flame-retardant jackets are more expensive than indoor-rated cables .

Typical Market Pricing

- Short pre-terminated single-mode LC-LC cables (1-5 meters): \$10-\$25 each
- Longer pre-terminated cables (10-50 meters): \$25-\$50 each
- High-density MPO/MTP parallel cables: \$40-\$100 depending on fiber count and length

Where to Purchase

- **Specialized suppliers:** Camplex, Grandway, and WeUnionFiber provide splitter cables and accessories .
- **Online marketplaces:** Amazon and other electronics distributors offer pre-terminated splitter cables suitable for second-level FTTH deployment .

Recommendation

When selecting a parallel connection cable for a second-level optical splitter, ensure compatibility with the splitter type, fiber mode, and connector standard. For cost efficiency, consider pre-terminated cables for shorter runs and bulk fiber cables for longer or custom installations.

Article Content

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