

Price of fiber optic cable splice reels



AI Overview

Fiber optic splices typically cost \$50–\$150 per point, while cable reels range from \$0.40 to \$1.00 per foot depending on type and installation complexity.

Fiber Optic Splice Costs The cost of a fusion splice generally ranges from \$50 to \$150 per splice for commercial projects, covering labor and OTDR verification of each joint, but excluding materials like closures or trays and project management fees (SpliceList) . Factors affecting splice cost include:

- Fiber count:** Higher fiber counts can reduce per-splice cost due to volume pricing. For example, a 24-fiber project may cost \$100 per splice, while a 288-fiber project could drop to \$55 per splice .
- Site conditions:** Aerial splicing in open areas is cheaper than underground vault work requiring traffic control or confined space entry .
- Project size and location:** Urban areas with higher labor rates may increase costs, while rural areas may be slightly lower .

Fiber Optic Cable Reel Costs Fiber optic cable is typically sold by length, with prices influenced by cable type, indoor/outdoor rating, armoring, and fiber count. Typical U.S. pricing estimates include (LatestCost) :

- Indoor, 1,000 ft single-mode run: Cable \$0.40/ft, Labor \$1.00/ft, Accessories \$100, Total $\approx$ \$2,650–\$3,100.
- Mid-range, 2,000 ft outdoor run with conduit: Cable \$0.70/ft, Labor \$1.60/ft, Accessories \$250, Total $\approx$ \$4,940–\$6,120.
- Premium, 5,000 ft armored outdoor run with multiple splices: Cable \$1.00/ft, Labor \$3.00/ft, Accessories \$350, Total $\approx$ \$11,000–\$14,500.

Reel lengths vary by manufacturer and fiber count, typically up to 20,000 ft for 12–48 fiber cables. Each reel end represents a splice, so planning reel length carefully can minimize additional closures and labor costs (Draftech) .

Additional Considerations

- Volume discounts:** Large projects may reduce per-splice and per-foot cable costs.
- Accessories and closures:** Each splice may require closures, trays, and testing equipment, adding to total project cost .
- Maintenance:** Expect \$50–\$200 annually for basic maintenance and testing supplies, with larger refresh cycles over the service life of 25 years . For...

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