

RIVO MULTITRADE OPTICAL SYSTEMS

Price of on-site fabrication of pigtail jumper wire



Overview

Fiber optic pigtails: Multilink's fiber optic pigtail assemblies primarily feature either six or 12 fibers depending on your preference.

Key Takeaways

On-site fabrication of pigtail jumper wires typically ranges from \$5 to \$25 per unit for custom fiber assemblies, depending on fiber type, connector, and labor requirements.

Factors Affecting Price

- Type of Wire or Fiber: Single-mode, multimode, or specialty fibers (e.g., OM3, OM4) influence material cost .

- Connector Type: SC, LC, ST, or APC connectors vary in price and assembly complexity .

- Fiber Count: Simplex (1 fiber) is cheaper than multi-fiber pigtails (4, 6, 12, or more fibers), .

- Customization: Custom lengths, breakout, fan-out, or armored jackets increase fabrication cost .

- Labor and On-Site Setup: On-site assembly may include technician labor, testing, and polishing, which can significantly affect the final price.

Typical Pricing Examples

- Standard single-mode simplex pigtail: \$5-\$10 per unit for small quantities .

- Multi-fiber or specialty pigtails: \$15-\$25 per unit depending on fiber count and connector type .

- Bulk or pre-made jumper wires: For prototyping or hobbyist use, prices can be as low as ₹0.17 per meter in India for basic insulated jumper wires .

Recommendations

- Request a Quote: For precise on-site fabrication costs, contact suppliers like TXM Manufacturing to provide specifications and receive a custom quote .

- Consider Pre-Made Options: If time or labor is limited, pre-made jumpers may be more cost-effective for standard lengths and connectors .

- Factor in Testing: On-site fabrication often includes testing for continuity and insertion loss, which may add to the cost but ensures quality. By considering these factors, you can estimate the cost of on-site pigtail jumper fabrication and plan your procurement accordingly.

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

