

Price of fiber optic sensor connector wires



AI Overview

Fiber optic sensor connector wires range from around \$1.60 for basic simplex plugs to over \$1,200 for specialized pre-terminated sensor cables. General Price Ranges Basic Simplex and Duplex Connectors: Standard singlemode or multimode simplex plugs typically cost \$1.60-\$3 per unit in bulk, while duplex connectors range from \$2.40-\$3 per unit depending on the manufacturer and fiber type (Broadcom, Amphenol). Pre-terminated or Sensor-Integrated Cables: Fiber optic cables with connectors pre-attached for sensor applications, such as Omron or Banner Engineering units, range from \$113 to \$1,250 depending on length, type (plastic or glass fiber), and output configuration. Specialty Industrial Cables: Arc-flash detection or high-flex sensor cables, often sold in one-meter increments, start at \$86 and can be configured for custom lengths or splices. Retail and Online Options: On Amazon and eBay, small packs of fiber optic connectors (10-100 pcs) are available for \$10-\$80, while individual sensor cables with connectors can cost \$20-\$75 depending on brand and length. Factors Affecting Price Fiber Type: Singlemode (OS1/OS2) connectors are generally slightly more expensive than multimode (OM1-OM5). Connector Style: LC, SC, ST, MPO, and custom industrial connectors vary in cost; LC simplex connectors are typically cheaper than MPO or ruggedized industrial types. Cable Length and Flexibility: Longer cables or high-flex cables for robotic or harsh environments increase the price significantly. Pre-terminated vs. Cuttable: Pre-terminated sensor cables with factory-attached connectors are more expensive than cuttable or field-terminated cables. Quantity: Bulk purchases reduce per-unit cost, especially for standard simplex or duplex connectors. Summary Low-end bulk connectors: \$1.60-\$3 per unit Mid-range sensor cables: \$100-\$500 High-end pre-ter...

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