

How much does a meter of fiber optic cable for temperature measurement on shelving cost



AI Overview

Standard fiber optic cables suitable for indoor sensor applications typically cost between \$0.05 and \$1.50 per meter, with specialized temperature-sensing fiber likely at the higher end.

Typical Pricing

For general fiber optic cables, the cost per meter varies by type and construction:

- Simplex/Duplex Indoor Cable: \$0.05 – \$0.30 per meter
 - Single-mode Outdoor Cable: \$0.10 – \$0.50 per meter
 - Multimode (OM1/OM2/OM3): \$0.10 – \$0.60 per meter
 - Armored Cable (Steel Tape / FRP): \$0.30 – \$1.00 per meter
 - Aerial / Self-Supporting Cable: \$0.40 – \$1.50 per meter
- These prices reflect standard configurations for data transmission. Temperature-sensing fiber optic cables, such as those used for distributed temperature sensing (DTS) on shelving, often include additional coatings or sensor cores, which can increase the cost above standard indoor fiber.

Factors Affecting Cost

- Fiber Type and Count: Single-mode fiber is generally cheaper than multimode, but higher strand counts increase cost....

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DTSX200 Distributed Temperature Sensor

Cost When an application requires hundreds or thousands of sensors to be measured, it becomes very expensive to wire each

Contact Us

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