

How much does a 6-core fiber optic cable cost in the EU



Article Overview

A 6-core fiber optic cable in the EU typically costs between €0.30 and €6 per meter, depending on fiber type, construction, and additional features.

Price Range

The cost of a 6-core fiber optic cable varies widely based on specifications:

- Single-mode fiber (OS2): Approximately €0.30 to €1.50 per meter for standard cables .
- Multimode fiber (OM3/OM4): Higher quality cores for short-distance, high-speed applications can range from €1.50 to €6 per meter .
- Armored cables: For outdoor or harsh environments, steel tape or armored jackets increase the price by 20–50%, often reaching €1.15 to €6.50 per meter .
- Jacket material: LSZH (Low Smoke Zero Halogen) jackets are more expensive than standard PVC, adding roughly 25–40% to the base cost .

Factors Affecting Cost

- Fiber Mode and Core Count: Single-mode is generally cheaper than multimode. Higher strand counts increase cost proportionally.
- Cable Structure: Loose tube, tight-buffered, armored, or non-armored designs affect material and production costs .
- Installation Method: Underground or direct-buried cables are more expensive than indoor or aerial runs

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Euro Area

Euro Area - Producer prices in industry: Manufacture of fibre optic cables was 111.90 points in May of 2026, according to the

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