

# What is the comprehensive unit price of an 8-core optical cable



## Article Overview

The unit price of an 8-core optical cable typically ranges from \$0.30 to \$6 per foot, depending on fiber type, construction, and application.

### Price Overview

- **Material Cost:** For bulk purchases, 8-core fiber optic cables generally cost \$0.09 to \$1.52 per foot, while retail prices range from \$1 to \$6 per foot depending on the fiber type and cable construction .
- **Fiber Type:** Single-mode 8-core cables (OS1/OS2) are usually less expensive per foot than multimode cables but require more costly equipment for installation . Multimode 8-core cables, with core diameters of 50 or 62.5 microns, are suitable for short to medium distances and may cost slightly more per foot .
- **Construction and Rating:** Armored or outdoor-rated cables designed for harsh environments can cost \$0.50 to \$5 per foot, while indoor riser-rated cables are generally cheaper . Loose-tube outdoor 8-core cables with rodent protection and pulling aids are available from 100 meters per drum, with pricing varying by supplier .
- **Pre-Terminated Assemblies:** Factory-terminated 8-core fiber assemblies, including connectors, incur higher costs due to labor and quality assurance, with prices influenced by connector type and strand count .

### Factors Affecting Comprehensive Unit Price

- **Length of Cable:** Longer runs reduce per-foot cost in bulk orders but increase total...

## Article Content

Fiber Optic Cable Core: Understanding Its Types and Uses

1) What is a fiber optic cable Core? "The core of a fiber optic cable is the central transparent portion of the optical fiber

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Core (optical fiber)

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Fiber-optic cable

A TOSLINK optical fiber cable with a clear jacket. These cables are used mainly for digital audio connections between devices. A

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