

Types and Prices of Communication Optical Cables



AI Overview

Fiber optic cables come in multiple types including single-mode, multimode, loose-tube, tight-buffered, ADSS, and micro cables, with prices ranging from a few dollars per meter to over \$100 per meter depending on type, length, and specifications.

Fiber Optic Cable Types and Models

1. Single-Mode Fiber (SMF)

- Core diameter: ~9 microns
- Best for long-distance, high-bandwidth applications
- Standards: G.652.D, G.655, G.657.A1, G.657.A2
- Typical applications: Telecommunications, long-haul networks
- Price range: \$1-\$10 per meter for standard indoor/outdoor cables, higher for armored or specialized variants

2. Multimode Fiber (MMF)

- Core diameter: 50 or 62.5 microns
- Types: OM1, OM2, OM3, OM4
- Best for shorter distances like LANs, data centers
- Price range: \$0.5-\$5 per meter depending on OM type and jacket

3. Loose-Tube Fiber

- Fibers loosely contained in a central tube
- Outdoor use, resistant to moisture and temperature changes
- Variants: GYTA, GYTS, GYTY53
- Price range: \$2-\$15 per meter depending on fiber count and protective layers

4. T...

Article Content

Dec 09, 2025

Multi-mode optical fiber

Multi-mode optical fiber is a type of optical fiber mostly used for communication over short distances, such as within a building or on a

May 18, 2026

Types of Fibre Optic Cable: A Comprehensive Guide

Understanding the types is essential in deciding between a speedy, distant, and rugged solution. This exhaustive work

Jan 03, 2026

Fiber Optic Cables

Uncover the hidden potential of fiber optic cables with our comprehensive guide on technology, types, connectors and

Mar 29, 2026

Fiber Optic Cable Pricing Guide: Factors That Affect Cost ...

This guide outlines the major factors that influence fiber optic cable costs and provides practical tips for estimating

Jul 16, 2026

Cost of Fiber Optic Cable: Pricing Guide (2026)

Discover the cost of fiber optic cable in this pricing guide. Learn material prices, installation factors, and what impacts

Apr 01, 2026

Fiber Optic Cable: Types, Uses, Benefits & How to Choose

Fiber Optic Cable: Types, Uses, Benefits & How to Choose the Right Cable Fiber optic cable powers modern

Dec 07, 2025

10 Types of Fiber Optic Cable Explained: Selection

Explore the top 10 fiber optic cable types for 400G/800G networks. From ADSS to MPO, learn technical

Mar 30, 2026

Types of Fibre Optic Cable: A Comprehensive Guide

Learn about single-mode and multi-mode fiber optic cables, their components, uses, and how to choose the right type

Mar 14, 2026

Fiber Optic Cable Types Explained

Our comprehensive guide to types of fiber optic cables. Learn all about the differences between single mode and multimode cables,

Nov 30, 2025

Types of Fiber Optic Cables: Complete Classification

In today's digital era, a reliable fiber optic cable network forms the backbone of

May 05, 2026

Comprehensive Guide to Fiber Optic Cable Pricing: Cost Analysis and ...

Explore detailed insights into fiber optic cable pricing, including cost factors, quality considerations, and long-term value benefits for

Feb 22, 2026

Wire & Cable Prices

CRU provides comprehensive, accurate and up-to-date price assessments and research reports for bare optical fibre

Jan 06, 2026

Fibre Optic Cables: Types, Benefits & Top Picks from

Discover the benefits of fibre optic cables, the different types available, and top-selling

Jun 01, 2026

Fiber Optic Cable Types: Comprehensive Guide

Explore the different types of fiber optic cables and understand which type suits your specific needs for speed, distance,

Jul 22, 2026

Optical Communications Products

Browse our optical communication connectivity products designed to help you enable your communication networks. Easily create a

Dec 20, 2025

Fiber Optic Cable Price in 2026: Market Updates and

Since early 2026, the fiber optic cable price has been rising at an extraordinary pace. In

Jul 14, 2026

Fiber Optic Cable Types: A Complete Guide

Here's everything you need to know about the various fiber optic cable types, what makes them so useful, and what

Dec 26, 2025

Fiber Optic Cable Types—Complete Guide

While this type of fiber optic cable has been touted as a workable alternative for glass when it

Jan 22, 2026

Fiber Optic Cable Cost Guide 2026 - LatestCost - Real-Time Price

Buyers typically pay for fiber optic cable by length, fiber type, and installation complexity. Main cost drivers include

Oct 02, 2025

Fiber Optic Cable Types: Single-Mode, Multimode, and Beyond - A ...

Discover fiber optic cable types, including single-mode (OS1, OS2) and multimode (OM1, OM2, OM3, OM4, OM5),

Sep 04, 2025

Types of Fiber Optic Cables: Complete Classification

From data centers to enterprises and even smart homes, the choice of the right cable type

Sep 01, 2025

How Much Does Fiber Optic Cable Cost? 2025 Factory

Searching for how much does fiber optic cable costs? Stop guessing. We break down 2025 prices for OS2,

Jun 18, 2026

What Types of Communication Cables Are There?

Proper cable management, grounding, and shielding are vital for maintaining long-term

Jun 29, 2026

Fiber Optic Cables: Advantages, Disadvantages, and

As the need for high-speed, secure data transmission increases, fiber optic cables have

Sep 07, 2025

Fiber Optical Cable Market Size, Forecast Report to 2035

The main types of fiber optic cable are glass optical fiber and plastic optical fiber. Glass optical fibers are typically composed of a

Jun 03, 2026

Fiber Optic Cable Types – Multimode and Single Mode

Fiber Optic Cable Types – Multimode and Single Mode Application Fiber Optic connectors

Feb 01, 2026

Fiber Optic Cables | Corning

Fiber Optic Cables by Environment Fiber Optic Cables by Environment The first consideration in choosing

Nov 22, 2025

Handbook Optical fibres, cables and systems

The simultaneous availability of compact sources and of low-loss optical fibres led to a worldwide effort for developing optical fibre

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://ntmmgroup.co.za>

Email: sales@ntmmgroup.co.za

Phone: +27 82 471 2596

Address: Unit 7, Optic Park, 24 High-Tech Lane, Century City, Cape Town,
7441, South Africa

This document is for informational purposes only. Specifications subject to
change without notice.

