

Cable and Optical Fiber Reel Specifications and Models



Article Overview

Fiber and cable reels come in a variety of modular, tactical, and industrial designs, offering lightweight, stackable, and customizable solutions for harsh environments and mobile deployments.

Modular and Lightweight Reels

The Modular Advanced Reel System (MARS®) by Optical Cable Corporation is a lightweight, modular reel system designed for harsh-environment fiber optic installations. Constructed from impact-modified polymer, it allows for easy transport and rapid deployment. MARS reels support multiple deployment options, including axles, A-frames, cable acquisition cradles, tripods, and backpacks. Features include fiber optic cleaning kits, flip-out handles, 30-ft built-in dividers, connector cradles, and stackable designs, making it highly versatile for field applications .

Rugged Metal and Event Reels

Micropol manufactures cable reels and drums made of sheet metal, optimized for extreme conditions such as outdoor events, military deployments, and industrial installations. Their R-105 model is lightweight (~3.5 kg without cable), customizable in diameter, color, and cable length, and can store up to ~1200 meters of cable. These reels operate reliably in temperatures from -40 °C to +55 °C and include auxiliary spools, rotation brakes, and secure locking mechanisms

Article Content

Feb 10, 2026

Fibre optic cable reels

Fibre optic cable reels with different barrel diameters and winding widths. The barrel is coated with PE

Sep 05, 2025

Fiber Optic Cable Reels (Updated Daily) | Adorama

Unleash the speed of light with Fiber Optic Cable Reels. Shop high-quality fiber optic cables and reels at Adorama for seamless

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Fiber Optic Cable Reels

Our selection of Fiber Optic Cable Reels features only the best products available on the market that

Oct 28, 2025

Fiber Optic Cable Reels for Mobile and Rugged

Foss provides durable fiber optic cable reels for mobile, tactical, and industrial applications. Designed for

Jul 17, 2026

Inside Optic Fiber Cabl Reel: Technical Details, Quality Standards,

A fiber optic cable reel is an essential tool in telecommunications and network infrastructure, designed to support the efficient

Nov 24, 2025

Fiber Optic Cable Buying Guide

Fiber Optic Cable Buying Guide Understand how to choose fiber optic cable by comparing single-mode vs. multimode, network

Nov 26, 2025

ADSS Fiber Optic Cable | All-Dielectric Self-Supporting

AFL-ADSS ® (All-Dielectric Self-Supporting) fiber optic cable is designed for outside plant aerial

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Fibre optic cable reels

21 Fibre optic cable reels Fibre optic cable reels with different barrel diameters and winding widths. The

Jan 18, 2026

Fiber Optic Cable Reels | Micropol

Discover Micropol's sturdy cable reels designed for diverse applications. Find dependable solutions for

May 20, 2026

Optical Fiber Cables for Indoor/Outdoor Applications

AEN097, Revision 4 Optical fiber cables are designed to provide optimum performance over their service life when

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Understanding and Selecting Optical Fibre and Cable

In this document, the relationship between the cable features, followed standards, test parameters, and acceptance criteria are

Mar 20, 2026

BX-05 Portable Industrial Metal Fiber Optic Cable Reel

Compatible with single-mode, multimode, and tactical fiber cables, this cable reel is an essential tool for

Oct 06, 2025

Fiber Optic Cables

CommScope designs and manufactures a comprehensive line of fiber optic cables—from outside plant to indoor/outdoor and fire

Apr 23, 2026

Reel Dimensions

Optical Fiber Specifications Fiber Optic Cable Color Coding Reel Capacity Calculator Cable Termination

Mar 08, 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,

Dec 30, 2025

Fiber Optic Cable Reels | Micropol

Customizable to your specification – Cable reel R-105, for instance, can be tailored in terms of diameter, colour (green, black, sand),

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Fiber Optic Cable Reels & Spools | Custom Steel & Plastic Reels

Explore our comprehensive selection of fiber optic cable reels and spools, including custom steel and plastic options. Engineered for

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Modular Advanced Reel System (MARS®) Reel

Unlike traditional metal-style reels, MARS is a lightweight, modular system constructed of an impact modified polymer that is easily

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Fiber Optic Cable Reels

Highly functional handheld cable reel accommodates fiber optic, hybrid, and broadcast wire and cable.

Sep 13, 2025

Fiber Optic Cable Reels

Our fiber optic cable reels are the best in the industry. They're made out of an impact modified polymer.

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Fiber Optic Cable

Belden's extensive line of indoor and outdoor cable products is offered in tight buffer and loose tube designs. Learn more about each

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Pre Terminated Fiber Optic Cable Reel For Sale

This reel keeps optical fibers safe. The 250µm buffer protects each strand. It prevents kinks exceeding the 30mm minimum bend

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Fiber Optic Cables

Fiber Optic Cables From 1988 Optral design, manufacture and commercialize optical cables as well optoelectronic equipments for

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Fiber Optic Cable Types – Multimode and Single Mode

Application Fiber Optic connectors and cables are present in nearly every communications project that we might sell into, be it a DAS

Jun 27, 2026

Fiber Optic Cable Reels | Products & Suppliers | GlobalSpec

Find Fiber Optic Cable Reels related suppliers, manufacturers, products and specifications on GlobalSpec - a trusted source of Fiber

Mar 23, 2026

Deployable Fiber Optic Cable Reel Datasheet | FS

With a variety of cable assembly options and configurations, flexibility is provided to meet the specific requirements of each

Apr 18, 2026

Fiber Optic Cable Catalog

Since 1986, Proterial Cable America has been developing technologically advanced copper and fiber optic communication cables.

Apr 01, 2026

Fiber Optic Cable Reel Specifications: Diameter, Weight, and

Fiber optic reel specifications are engineering variables, not administrative details. Flange diameter, core geometry, gross weight,

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