

How to view the optical cable specification table



Article Overview

An optical cable specification table provides key information about fiber type, mechanical and optical properties, and standards compliance, which can be interpreted by understanding the table's columns and associated standards.

Understanding the Table Structure

Optical cable specification tables typically include the following key sections: 1. Fiber Type and Core Specifications

- Indicates whether the fiber is single-mode (SMF) or multi-mode (MMF), e.g., G.652.D, G.655, OM3, OM4 .
 - Core diameter and cladding diameter are often listed, which affect light propagation and compatibility with connectors .
 - Chromatic dispersion and attenuation values at standard wavelengths (e.g., 1310 nm, 1550 nm) are included for single-mode fibers .
2. Mechanical Properties
- Tensile strength: Maximum pulling force the cable can withstand.
 - Bending radius: Minimum radius the cable can bend without damage.
 - Coating type: LSZH, PVC, or PE, indicating flame resistance and environmental suitability .
 - Reinforcement elements: Steel wires or FRP rods for outdoor or armored cables .
3. Environmental and Installation Parameters
- Operating temperature range, water resistance, UV resistance, and suitability for indoor/outdoor installation

Article Content

May 12, 2026

Specifications For Fiber Optic Networks

Specifications For Legacy Fiber Optic Networks A listing of many fiber optic LANs and links available in the last 30 years, with basic

Jun 26, 2026

Fiber Optic Cable Installation and Handling Instructions

Fiber optic cables can be easily damaged if they are improperly handled or installed. It is imperative that certain procedures be

Mar 25, 2026

Fiber Optic Cable Specification Checklist | Maplearashi

A practical fiber optic cable technical specification checklist for telecom procurement. Define fiber performance, cable

Aug 29, 2025

Optical Fiber and Cable Characteristics

The tables in this edition have been renumbered. Tables 1 and 2 of this edition 9 correspond respectively to Tables 2 and 4 of edition

Feb 10, 2026

2024 Optical Fiber Reference Guide

Each of the optical fibers listed in this guide contains a link directly to a datasheet on the respective manufacturer's website, current

Aug 07, 2025

Fiber optic cable Catalog

Fiber Optic Cables Technical Catalogue FTTH Optic Fiber Micro Cable Sample Fiber Optic Micro Cable Optical Fiber Core

Nov 12, 2025

Cables: Fiber

The4 fiber type designations OM1, OM2, OM3, OS1 and OS2 relate to cable transmission perfor-mance. In ISO/IEC 11801:2002 and

Sep 28, 2025

Overview of optical fibres standardization

cation of optical fibres in cables and associated characterization methods. For each recommendation, several types of fibres

Jan 18, 2026

Fiber Optic Cable Assemblies

Corning Optical Communications reserves the right to improve, enhance, and modify the features and specifications of

Nov 12, 2025

Optical Fiber and Cable Characteristics

In Table 1 (G.652.B) new Note 3 and Table 2 (G.652.D) new Note 5 describe usability of high PMD fibre and cable for system with

Apr 06, 2026

Optical Fiber Cable Specifications and Fibre-Count Guide

This guide sets out the technical parameters to define when specifying optical fiber cable. For how these map to physical cable

Nov 12, 2025

Optical cable fiber specifications

Care should be taken so that optical fiber cables are not coiled to a diameter less than 16 cm (6.3 in) and not bent to a

Jul 04, 2026

The Optical Fiber Reference Guide

The 2024 Optical Fiber Reference Guide is a helpful resource that provides quick access to the data sheets of many types of popular

Aug 26, 2025

Understanding and Selecting Optical Fibre and Cable

OPTICAL FIBRE AND CABLE This document will provide an understanding of optical fibre, optical fibre cable (OFC), application

Mar 13, 2026

Optical fiber tables and chromatic dispersion specs

In this table, 802.3 has analyzed available information on connector loss, optical return loss and PMD in order to define optical

Nov 01, 2025

CORNING OPTICAL COMMUNICATIONS GENERIC SPECIFICATION

2.0 Fiber Specifications 2.1 Detailed information on the fiber types available for this cable design can be found in the following

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SINGLE-MODE OPTICAL FIBER IN LOOSE TUBE AND RIBBON

This ultra-low-loss single-mode fiber for long haul terrestrial applications utilized in optical fiber cable shall meet ITU

Sep 06, 2025

Optical Fiber Products

Optical fiber broadband brings together a culture of innovation, quality, and manufacturing excellence to create life-changing products.

Jun 01, 2026

Major Recommendations: Optical

G.656The characteristics of a single-mode optical fibre and cable which has the positive value of the chromatic dispersion coefficient

Mar 11, 2026

Optical Fibre Cable Technical Specification

The standard optical cable structure is shown in the following table, other structure and fibre count are also available according to

Jun 27, 2026

SINGLE MODE OPTICAL FIBER CABLE SPECIFICATION(ADSS)

1. General 1.1 The specification covers the construction and properties of optical fiber cable. 1.2 The cable shall be used for aerial or

Oct 04, 2025

Fibre Optic Cable

Categories OS1 and OS2 are related to cable transmission performance. See table bellow. The cable must meet the requirements of

Mar 22, 2026

The Ultimate Fiber Optic Cable Size Reference Chart

Understanding fiber optic measurements doesn't have to be overwhelming. Our comprehensive chart simplifies the

Sep 07, 2025

Product Specification Sheets

DZ-Series Distribution – Riser Specifications DZ-Series Riser Indoor/Outdoor Aluminum Interlocking Armored Specifications Fiber In

Aug 28, 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

Aug 01, 2025

The FOA Reference For Fiber Optics

Topic: Optical Fiber Table of Contents: The FOA Reference Guide To Fiber Optics Optical Fiber Fiber Optics is the communications

Nov 05, 2025

Understanding and Specifying Optical-Fiber Cables | EC& M

Therefore, it is important for installing contractors to know how to write effective specifications. However, many

Feb 09, 2026

Single-mode optical fiber

In fiber-optic communication, a single-mode optical fiber, also known as fundamental- or mono-mode, is an optical fiber designed

May 21, 2026

Optical Fiber Specifications: A Guide by EXA Infrastructure

EXA knowledge centre | Optical fibre specifications your essential terms guide to navigate the network infrastructure business We put

May 12, 2026

Fiber Optic Cable Specifications Guide

This document provides specifications for single mode and multimode optical fibers according to various ITU-T and IEC standards.

Aug 15, 2025

Handbook Optical fibres, cables and systems

The optical fibres are specified in ITU-T with reference to the geometrical, optical, transmission and mechanical attributes listed in

Jan 10, 2026

Fiber Optic Cables Specifications

Find Fiber Optic Cables on GlobalSpec by specifications. Fiber optic cables are composed of one or more transparent optical fibers

Apr 15, 2026

Optical Fibre Cable Technical Specification

This Specification covers the design requirements and performance standard for the supply of optical fibre cable in the industry.

Jan 22, 2026

Fiber-optic cable

Fiber-optic cable A TOSLINK optical fiber cable with a clear jacket. These cables are used mainly for digital

Nov 15, 2025

Product Specification Sheets

Our team will make sure the configuration is tailored to your needs and will provide a detailed quote. Email us using the Request a

Jul 22, 2026

Fiber Optic Cables Selection Guide: Types, Features, Applications ...

Fiber optic cables are composed of one or more transparent fibers enclosed in protective coverings and strength members. Fiber

Jun 28, 2026

Understanding an optical fibre cable datasheet

The objective of this document is to give an understanding of an optical cable datasheet. In this document, the interaction between

Mar 02, 2026

Fiber Optic Cables

Armoured and Flame retardant optical fibre cable, AICI - code F104 NEK TS 606:2016 (available also in MUD protected version).

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