

288 Single-Core Optical Cable Sorting

Article Overview

288-fiber optical cables are typically organized into color-coded ribbons and sub-unit tubes for efficient identification, handling, and splicing.

Fiber Organization

In high-density 288-fiber cables, fibers are grouped into ribbons, usually containing 12 fibers each, which are then placed inside sub-unit tubes for easier management and protection . This structure allows for mass fusion splicing and termination using 12-fiber MPO connectors, which is standard in data center and backbone applications . The sub-unit tubes also help maintain flexibility and prevent fiber damage during installation.

Color Coding

Each fiber and ribbon is color-coded according to TIA/EIA standards to simplify identification . Common color sequences include blue, orange, green, brown, gray, white, red, black, yellow, violet, pink, and aqua. In 288-fiber cables, these colors are repeated across multiple sub-unit tubes, allowing technicians to quickly locate and sort individual fibers or ribbons during splicing or termination .

Ribbon and Tube Structure

- Ribbonized fibers: Fibers are intermittently bonded to form flexible ribbons that naturally open when the outer jacket and sub-unit tubes are removed .
- Sub-unit tubes: Each ribbon is housed in its own tube, typically 2.5 mm in diameter...

Article Content

Nov 03, 2025

Custom 288 Strand Corning Outdoor Armored SM Fiber Optic

Our 288 Strand OSP Singlemode QuickTreX® Pre-Terminated Fiber Optic Assemblies Are Made In The USA With Corning Glass By

Feb 03, 2026

Opti-Core 144 and 288-Fibre Indoor Ribbon Cables, LSZH and

288 singlemode fibres for high density data center distribution applications. The fibres shall be ribbonized for easy mass fusion

Jul 06, 2026

Multi-Loose Tube Fiber Cable

Universal (Indoor/Outdoor) dry core optical fiber Multi Loose Tube cable with aramid yarns as strength member, Low Smoke Zero

Jun 22, 2026

760086710 | R-288-LN-8W-F12BK/25D | CommScope

Fiber Indoor/Outdoor cable, TeraSPEED ®, Single Jacket All-Dielectric, 288 fiber, Riser Rated, Gel-Free, Stranded Loose Tube,

Feb 27, 2026

288 Fiber Micro Distribution with 2mm buffer tubes, Plenum

The Light Connection, Inc. 288 fiber Micro Distribution Cable is composed of twenty-four buffer tubes, a central member, aramid

Mar 09, 2026

MicroCore®, LM200 Series, Fiber Optic Cable, 288-Fiber, Singlemode

Shop MicroCore®, LM200 Series, Fiber Optic Cable, 288-Fiber, Singlemode By AFL Telecommunications (LM288BAR6101NS) At

Mar 08, 2026

288 Count OSP Fiber Optic Cable

Part Number:288EUC-T4100D20 Corning ALTOS® Lite gel-free, single-jacket, single-armoredcables are designed for campus

Aug 15, 2025

Rack Mounted Fiber Optic Patch Panel

Explore the details, specifications and video of our Rack Mounted Fiber Optic Patch Panel, and order high-quality Rack Mounted

Jun 22, 2026

810009727/DB | B-288-LN-8F-M24NS/17T 200 | CommScope

Fiber OSP cable, Zero Water Peak, ® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube 200um Fiber Arid-Core

Dec 06, 2025

288 Fiber Optic Cable Color Code Chart | PDF

288 Fiber Optic Cable Color Code Chart - Free download as PDF File (.pdf), Text File (.txt) or read online for free.

Dec 26, 2025

Product Spec Sheet 288EV8-14101-A3

288EV8-14101-A3 Corning UltraRibbon riser gel-free interlocking armored cables continue the innovative

Apr 18, 2026

Product Spec Sheet 288FUC-T4101D20

288FUC-T4101D20 Corning ALTOS® Lite gel-free, single-jacket, single-armored cables are designed for campus

Jul 25, 2025

288ZVJ-14101D20 | LSZH UltraRibbon Indoor, Gel-Free Cables 288

288ZVJ-14101D20 LSZH UltraRibbon Indoor, Gel-Free Cables 288 F, SMF-28 Ultra fiber, Single-mode (OS2) Typically ships in 35

Aug 01, 2025

288 Core CST Fibre Cable Multi Loose Tube Armoured

Offers 4 core 24 core 48 core to 288 core with different cable structure. This 288 core CST fibre cable has

Nov 08, 2025

ALTOS® Loose Tube, Gel-Free Cable 288 F, Single

The loose tube gel-free design is fully waterblocked using craft-friendly, water

Nov 09, 2025

GCCF288 Technical Data Sheet

Product feature: This cable has improved rodent protection by Corrugated Steel Tape (Full Rodent Protected). Existing out of 12

Jun 05, 2026

SST-UltraRibbon Gel-Free Armored Cables, 288-864 Fibers

Providing high-fiber-counts in a rugged, compact design, the enhanced coupling features ensure the rib-bon stack and

Sep 21, 2025

Enbeam OS2 Armoured CST Fibre Optic Cable Loose Tube 288 Core

Product Overview Enbeam OS2 Singlemode CST Armoured Fibre Optic Cable Loose Tube 288 Core 9/125 HDPE Fca Black, part of

May 14, 2026

TECHNICAL DATA SHEET FOR OPTICAL FIBER CABLE AIR

Fiber type Single mode Fiber material Doped silica Attenuation coefficient @ 1310 nm @ 1550 nm 0.36 dB/km 0.23dB/km Cable cut

Nov 23, 2025

288-core optical cable sequence

288 Cores is a cutting-edge technology in the field of fiber optic cables. This article aims to provide a detailed explanation of 288

Aug 13, 2025

Enbeam OS2 Armoured CST Fibre Optic Cable Loose Tube 288 Core

The singlemode fibre is G.652.D compliant low water peak grade and offers OS2 performance and OS1 backwards compatibility.

Apr 05, 2026

Product Spec Sheet 288EU5-T4101D20

288EU5-T4101D20 ALTOS® gel-free, double-jacket, single-armored cables are rugged, armored cables designed for direct-buried

Nov 08, 2025

Fiber Identification Charts - 288-864 Fiber

Wrapping Tube Cable (WTC) with SpiderWeb Ribbon® (SWR®) This document provides direction on properly identifying the ribbon

Nov 10, 2025

288-Core Fiber Optic Cable

The term “288 core” refers to the number of individual optical fibers bundled within a single cable. Each core, or

Dec 21, 2025

288 Cores Revolutionizing Cable Connectivity!_NEWS_OPTICAL FIBER CABLE ...

1. Capacity The capacity of 288 Cores refers to the number of individual optical fibers contained within the cable. With 288 cores, this

Apr 15, 2026

288 Core Optical Fiber Cable

Discover 288 core optical fiber cables with high-density core count for FTTH and telecom networks. Ideal for long-distance, high

Contact Us

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