

Ribbon 288-core optical cable



Article Overview

A 288-core ribbon optical cable is a high-density fiber optic cable designed for efficient mass fusion splicing and high-capacity network deployments.

Overview

A 288-core ribbon optical cable consists of multiple optical fibers bundled in flat ribbon formats, typically with 12 fibers per ribbon, allowing for 24 ribbons per cable to reach 288 fibers. These cables are designed for high-density applications such as data centers, metro networks, and 5G backbones, where space efficiency and rapid deployment are critical .

Cable Structure

- **Ribbonized Fibers:** Fibers are grouped into ribbons that are flexible and finger-peelable, enabling easy mass fusion splicing and termination with 12-fiber MPO connectors .
- **Subunits:** Each ribbon or group of ribbons is housed in a sub-unit tube, which simplifies handling, routing, and installation .
- **Fiber Types:** Commonly uses singlemode OS2 fibers, available in 200 μm or 250 μm outer diameter, with bend-insensitive designs to reduce signal loss in tight bends .
- **Strength Members:** Dielectric or steel strength members are included to provide tensile strength, anti-buckling protection, and durability in both indoor and outdoor environments .
- **Jacket:** Indoor cables often feature Low Smoke Zero Halogen (LSZH) jackets, while outdoor variants may include armored or water-blocking jackets for duct, aerial, or...

Article Content

Apr 17, 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

Oct 14, 2025

Ribbon Fiber Cable

Product Number: FISR288P5 Indoor OFNP OS2 Flexible Ribbon 288 Fibers 24F Subs Indoor Plenum OS2 Flexible Ribbon 288

Mar 04, 2026

RocketRibbon Solutions Guide

RocketRibbon® Cables Corning® RocketRibbon® cabling solutions meet today's demand for reliable high-speed data transmission

Jun 21, 2026

760259918 | R-288-CN-RR-F16YL/8G1/93K/200 | CommScope

Fiber indoor cable, Riser All-Dielectric Central Tube, 16-fiber Rollable Ribbons, 288 fiber, 200um Singlemode G.657.A2, Feet jacket

Feb 27, 2026

Product Spec Sheet 288EV8-14101-A3

Encased in spirally wrapped aluminum interlocking armor for ruggedness and superior crush resistance, these cables

Sep 03, 2025

Ribbon Fiber Optic Cable

Fiber Optic Ribbon Cable Ribbon cables offer higher fiber counts and greater fiber density than any other cable construction

Dec 31, 2025

Product Spec Sheet 288ZV4-14700S53

Each subunit is finger-peelable and contains two water-blocking yarns that act as ripcords, enabling rapid access to

May 08, 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

Sep 19, 2025

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

SST-UltraRibbon Gel-Free Dielectric Cables, 288 Fibers Corning SST-UltraRibbon™ gel-free cables continue the

Sep 04, 2025

Corning S-IPOJ-288-RC-BK-SIC 288EV8-14101-A3

Corning UltraRibbon™ riser gel-free interlocking armored cables continue the innovative breakthrough in indoor cable technology

Jul 06, 2026

Product Spec Sheet 288EV8-14101-A3

Available in fiber counts from 288 to 432, each 24-fiber ribbon can be easily separated by hand into two 12-fiber

Jun 07, 2026

Fiber Identification Charts - 288-864 Fiber

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

Aug 04, 2025

RocketRibbon® Extreme Density Fiber Ribbon Cables | Corning

RocketRibbon provides industry leading density providing twice the fiber count in the approximately the same footprint of existing

Nov 11, 2025

SST-UltraRibbon Single-Tube, Gel-Free, Armored Cable 288 F,

The cable consists of a single buffer tube containing 24-fiber and 36-fiber ribbons wrapped within a water-swellaable foam tape and

Mar 07, 2026

288ZZ4-14161B53 | MiniXtend® Ribbon Cable-200 Flow 288F, Bend

Corning's MiniXtend® Ribbon Cable-200 Flow is designed for microduct applications. Although typically installed via jetting the cable

Mar 28, 2026

288EV4-14100D53 | SST-UltraRibbon Single-Tube, Gel-Free Cable 288

Corning SST-UltraRibbon gel-free cables continue the innovative breakthrough in outdoor cable technology by introducing a new

Nov 05, 2025

Fiber Optic Color Code Chart For 144 and 288 Count Cables

Since then we have noticed thousands of searches from people looking for fiber optic color codes for 288 and 432 count fiber, both

May 11, 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,

Oct 22, 2025

What Is Ribbon Fiber Optic Cable? Advantages & Applications?

Ribbon fiber optic cable are fiber optic cable that using optical ribbon fiber. Normally each ribbon can consist of 4, 8, 12

Dec 07, 2025

RocketRibbon® Extreme Density Cables | Ribbon Cable

RocketRibbon® Cable Corning's new RocketRibbon ® cabling solution was developed to meet today's

Sep 18, 2025

288 F UltraRibbon™ Riser Gel-Free Interlocking Armored

288 F UltraRibbon™ Riser Gel-Free Interlocking Armored Home Products Fiber Optic Cables Indoor Ribbon Riser

Aug 29, 2025

>12 Core 288F Ribbon MT Single Sheath ADSS Cable

Ribbon single sheath ADSS cable design meets the application which requires delivering the highest fibre density in the most

Mar 17, 2026

Ribbon Fiber Cable

FX Indoor, Flexible Ribbon, OS2, 288 Fibers, OFCP Aluminum Interlocked Armor, Sub-units 3.0mm (24F),

Contact Us

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