

Six-core ribbon optical cable



Overview

The ribbon cable contains ribbon optical fiber located in the center of the cable, wrapped by high-modular aramid yarns. It is easily stripped and with small bending radius, excellent tension and environmental performance. Low smoke zero halogen sheath and other colours are. Sumitomo Electric Industries' wide portfolio of optical fibre ribbon cables answers network demands to scale up fibre density with an innovative and world-leading technology up to 6,912 fibre-count cable. Ribbon cables also enable mass-fusion splicing, whereby each 12-fiber ribbon can be spliced in a single. Sumitomo Electric solves your business problems by providing high quality, high performance pliable fiber optic ribbon cables. Compared to conventional optical cables, Sumitomo Electric can reduce costs by as much as 60% with FREEFORM Ribbon™ Technology. The small-diameter and high-density optical. Imm (main cord) Material Stainless Steel Color Silvery White UL94 V-0 (*Burning stops within 10 seconds on a vertical specimen, no drips of flaming particles.) *Exact product code is subject to the cable length. 5/125um, multimode, orange jacket, width=3. It is easily. Home Optical Fiber Cable Solutions Freeform Ribbon™ Slotted Core Cables Freeform Ribbon™ UHFC OSP All-Dielectric Slotted Core Cables Sumitomo Electric Lightwaves' Freeform Ribbon™ Ultra High Fiber Count (UHFC) Outside Plant (OSP) All-Dielectric Slotted Core Cables feature an all-dielectric design.

Article Content

Nov 08, 2025

What Is Ribbon Fiber Optic Cable? Advantages

The optical fiber ribbon in the cable is generally 4 core or 6 core, which is a water-blocking dry structure, which means no grease in the cable. The

Jun 13, 2026

Ribbon cables duct, armoured & aerial

Ribbon Optical Cables for Duct Direct Buried and Aerial Installations High Fibre Count
Ribbon Cables for FTTH and Point to Point Networks Armoured ADSS and

May 29, 2026

6 Core Optical Fiber Cable_Specification

Dimension 1.6mm±0. Imm(branch cord)/2.8mm±0. Imm (main cord) Material
Stainless Steel Color Silvery White. UL94 V-0 (*Burning stops within 10 seconds on a
veritcal specimen, no drips of

Oct 22, 2025

What is Ribbon Fiber Optic Cable? A Guide to Its Benefits

Explore what ribbon fiber optic cable is. Our guide covers its flat structure, types, and
key benefits like mass fusion splicing and space-saving

Apr 26, 2026

Ribbon Fiber Optic Cable

Designed to meet the demands of today's data-intensive world, these cables are
comprised of multiple optical fibers bundles in a flat ribbon format that is high
density, lightweight, and durable.

Jul 27, 2025

Ribbon Technology – Fujikura Europe

WTC has a fully dry central core cable which enables 12-fibre mass fusion splicing
(just like conventional optical fibre ribbon), drastically

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FON1214/6/12 Gore Fiber Optic Cable | WireMasters

They bring consistent signal integrity with low optical loss and offer uninterrupted high-speed data and video transmission long after alternatives have succumbed to their environment. In a rugged, slim,

Nov 28, 2025

Ribbon Fiber Cable A comparison with Non-Ribbon Cable

ANSI/ICEA S-87-640-2006, the standard for outside plant optical fiber cable and GR-20-CORE, Telcordia Technologies specification for outside plant

Sep 15, 2025

PP002606 MULTICOMP PRO, Ribbon Cable, Unscreened, 6 Core

With a conductor size of 24AWG and a length of 164 feet (50 meters), this cable is suitable for internal wiring in devices, communication systems, and industrial equipment. Buy PP002606 - MULTICOMP

Mar 14, 2026

A Comprehensive Guide to Ribbon Cables

Two of our ribbon cable products are the Durable Indoor Optical Cable Flat Fiber Ribbon Cable and Indoor 12 Cores Round Ribbon Cable. Both

Dec 16, 2025

Optical Ribbon Fibre Cables

Whether for Data Centre connectivity, backbone, core network, FTTx or 5G deployment, Sumitomo's patented Freeform Ribbon® cables bring a high-density

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Optical Ribbon Fibre Cables

Sumitomo Electric Industries' wide portfolio of optical fibre ribbon cables answers network demands to scale up fibre density with an innovative and world-leading

Feb 20, 2026

Ribbon Fiber Cables

Trunk optical cables, other optical fiber cable sections with a relay distance of more than 70km, access layer optical cable lead-in sections (distribution optical cross-fiber box section) and

Oct 27, 2025

Ribbon Cable II-Indoor Cable-Optical Cable-Product-AC-UNION

The most commonly used ribbon cables are 6-core and 12-core ribbon cables. Nowadays, there are fewer and fewer ordinary single-core optical cables with large core counts, and most of the optical

Jul 17, 2025

Go4Fiber 6 core ribbon cable, 62.5/125um, multimode

The ribbon cable contains ribbon optical fiber located in the center of the cable, wrapped by high-modular aramid yarns. It is easily stripped and with small bending radius, excellent tension and

Jan 06, 2026

High Fiber Count Optical Cables Solutions with FREEFORM Ribbon™

High Density Sumitomo Electric, the pioneer of high-fiber-count cable for decades, has been offering up to 6912-fiber count Ribbon Slotted-Core cables with advanced FREEFORM Ribbon™ technology.

Feb 12, 2026

Ribbon Fiber Cable

Ribbon Fiber Cable As trends like virtualization and convergence bring increased traffic to 40G/100G data centers, cable with high fiber counts is needed to support

Oct 21, 2025

RBC Flat Fibre Ribbon Cable

RBC- Flat ribbon fiber cable uses fiber ribbon as an optical communication medium. Then wrapped with a layer of aramid yarn as strength member units, and the cable is completed with an LSZH (Low

Jul 21, 2025

Freeform Ribbon™ UHFC OSP All-Dielectric Slotted

Sumitomo Electric Lightwaves" Freeform Ribbon™ Ultra High Fiber Count (UHFC) Outside Plant (OSP) All-Dielectric Slotted Core Cables feature an all-dielectric

Jan 26, 2026

Multi-Core Ribbon Fiber Cable

Multi-Core Ribbon Fiber Cable Abalone Tech's Multi-Core Ribbon Fiber Optic Cable is a high-density optical cable designed for efficient data transmission in environments requiring large bandwidth and

Apr 29, 2026

Ruggedized MicroCore® Fiber Cable with SpiderWeb Ribbon®

AFL Ruggedized MicroCore with SpiderWeb Ribbon (SWR®) Technology is the next generation of maximizing fiber density in AFL's line of high density data center fiber optic cables.

Jan 19, 2026

OM3 Multi-Core Ribbon Fiber Optic Cable

High-speed OM3 multi-core ribbon fiber optic cable supports 10G/40G/100G Ethernet with 50/125µm multimode fibers. Ideal for data centers & high-density networks.

Sep 25, 2025

Introduction to Ribbon Optical Cable

Ribbon fiber optic cable can be used in indoor FTTH network and indoor/outdoor point-to-point applications, but also for the interconnection and cross-application

Feb 22, 2026

RocketRibbon® Cables | Ribbon Cable | Corning

Corning RocketRibbon cabling solutions meet today's demand for reliable high-speed data transmission in duct, buried, or aerial applications. The cables are

Nov 20, 2025

The FOA Reference For Fiber Optics

Since OTDRs have directional errors, testing may be required from both directions and averaged. Generally long concatenated cables are tested with an OTDR and

Nov 16, 2025

High Fiber Count Optical Cables Solutions with FREEFORM Ribbon™

Compared to conventional optical cables, Sumitomo Electric can reduce costs by as much as 60% with FREEFORM Ribbon™ Technology. The small-diameter and high-density optical cable saves up to

Jul 04, 2025

Ribbon Cable, Plenum 12 F, Single-mode (OS2)

Precise fiber and ribbon geometries result in excellent mass splicing yields. The ribbon plenum cables are available preconnectorized for easy field installation

Contact Us

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

Website: <https://www.elagage-lorrain.fr>

Email: sales@elagage-lorrain.fr

Phone: +33 6 47 82 19 35

Address: 15 Rue de la République, 69002 Lyon, France

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