

Ribbon Interconnect Cable, Plenum

2 F, Single-mode (OS2)



Corning ribbon plenum interconnect cables are designed for multifiber connector interconnect applications from equipment to patch panel or as a patch cord. Available with two, four, eight or 12 fibers, these cables make compact, rugged patch cables and offer a perfect complement to multifiber connector strategies. Dielectric strength members offer mechanical durability within a flexible, flame-listed, retardant jacket. The cables meet application requirements of the National Electrical Code (NEC) Article 770 and are also OFNP and FT-6.

This cable is available in 12 different jacket colors – blue, orange, green, brown, slate, white, red, black, yellow, violet, rose and aqua. The colored jacket allows for easy visual identification of the cables. The standard jacket color will be determined by the dominant fiber type in the cable and will use the standard part numbers shown here. Contact Customer Care at 1-800-743-2675 to order other color options.

Features and Benefits

Meets NEC requirements

Meets burn test criteria

All-dielectric strength member

Mechanical durability

TEMPEST applications

Interference prevention

Standards

Approvals and Listings

National Electrical Code®
(NEC®) OFNP, CSA FT-6,
ICEA S-83-596

Flame Resistance

NFPA 262 (for plenum, riser
and general building appli-
cations)

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Specifications

General Specifications

Environment	Indoor
Application	General Purpose Horizontal, Vertical Riser, Plenum
Cable Type	Ribbon
Product Type	Interconnect
Flame Rating	Plenum (OFNP)
Fiber Category	Single-mode (OS2)

Temperature Range

Storage	-40 °C to 70 °C (-40 °F to 158 °F)
Operation	0 °C to 70 °C (32 °F to 158 °F)

Cable Design

Fiber Count	2
Number of Ribbons	1
Fibers per Ribbon	2
Fiber Coloring	Blue, White, White, Orange
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Outer Jacket Material	Flame-retardant
Outer Jacket Color	Yellow

Mechanical Characteristics Cable

Max. Tensile Strength, Short-Term	220 N (50 lbf)
Max. Tensile Strength, Long-Term	66 N (15 lbf)
Weight	7.9 kg/km (5.3 lb/1000 ft)
Nominal Outer Diameter	2.9 mm (0.11 in)
Min. Bend Radius Installation	43.5 mm (1.7 in)
Min. Bend Radius Operation	29 mm (1.1 in)

Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
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Fiber Specifications

Optical Characteristics (cabled)	
Fiber Type	Single-mode
Fiber Category	OS2
Fiber Code	E
Performance Option Code	31
Wavelengths	1310 nm / 1383 nm / 1550 nm
Maximum Attenuation	0.65 dB/km / 0.65 dB/km / 0.5 dB/km
Serial 1 Gigabit Ethernet	5000 m / - / -
Serial 10 Gigabit Ethernet	10000 m / - / 40000 m

* ITU-T G.652 D compliant.

* Meets 0.75 ns optical skew when used in all Corning Plug and Play™/EDGE™ systems solutions.

Notes: 1) Improved attenuation and bandwidth options available.
2) Bend-insensitive single-mode fibers available on request.
3) Contact a Corning Customer Care Representative for additional information.

Ordering Information

Part Number	002EJ8-41131-0F
Product Description	Ribbon Interconnect Cable, Plenum, 2 F, Single-mode (OS2)
EAN Code	4056418191430



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