Ribbon Riser Cable
12-216 Fibers

An Evolant® Solutions Product

Applications

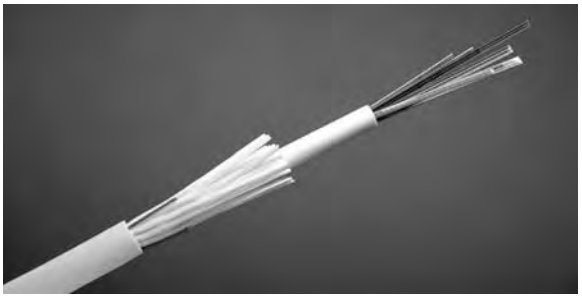
- Intrabuilding backbones in riser and general purpose applications

Description

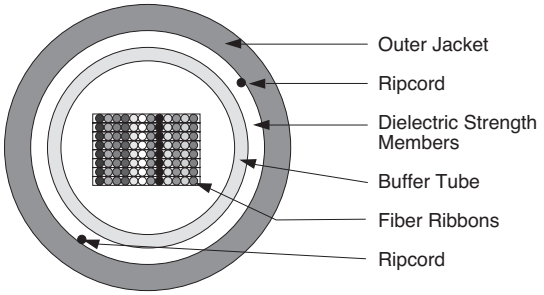
Corning Cable Systems Ribbon Riser Cables are all-dielectric and designed for indoor use. The optical fibers are organized into easily identifiable 12-fiber ribbons inside a central tube. The required tensile strength is provided by dielectric strength elements that are helically stranded around the central tube. The specially formulated, flame retardant outer jacket and rugged construction of these cables facilitates routing through riser shafts and long horizontal runs inside buildings. These cables are tested using the UL 1666 flame test, meet the application requirements of the National Elecritcal Code® (NEC®) and are OFNR and FT-4 listed.

Features / Benefits

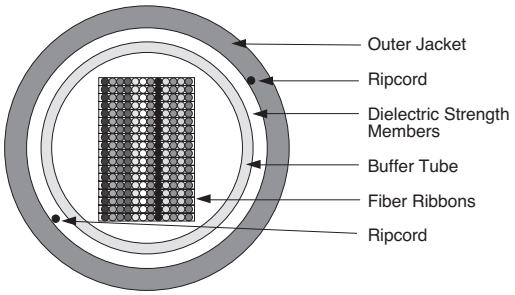
- Color-coded fibers in 12-fiber ribbons for quick and easy identification of individual fibers
- Precise optical fiber and ribbon geometries result in excellent mass-fusion splicing yields
- Each 12-fiber ribbon is individually printed for easy identification
- Cable design features no filling compound gels, reducing cable preparation time
- All-dielectric cable construction requires no grounding or bonding
- Available in single-mode, 62.5 µm, 50 µm and hybrid versions
- Available with interlocking armor for special applications requiring additional mechanical durability
- Available pre-connectorized for easy field installation and reduced labor costs



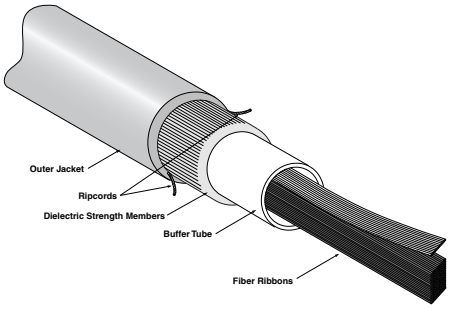
Ribbon Riser Cable | Photo LAN244



Ribbon Riser Cable, 96-Fiber | Drawing ZA-1005



Ribbon Riser Cable, 216-Fiber | Drawing ZA-1006



Ribbon Riser Cable | Drawing ZA-1004

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Product Specifications

Ribbon Riser Cable
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Specifications

Maximum Tensile Loads	Short-Term: 1320 N (297 lbf) Long-Term: 810 N (180 lbf)
Storage Temperature	-40° to +70°C (-40° to +158°F)
Long-Term Temperature	-10° to +60°C (+14° to +140°F)
Operating Temperature	-20° to +70°C (-4° to +158°F)
Approvals and Listings	NEC® OFNR/CSA OFN FT-4
Common Installations	Indoor vertical riser and general purpose horizontal according to NEC Article 770
Design and Test Criteria	ANSI/ICEA S-83-596

Fiber Count	Strength Members	Nominal Weight kg/km (lb/1000 ft)	Nominal Diameter mm (in)	Minimum Bend Radius Loaded cm (in)	Minimum Bend Radius Installed cm (in)
12-96	Dielectric	142 (96)	13.3 (0.52)	20.0 (7.9)	13.3 (5.3)
108-216	Dielectric	186 (125)	16.3 (0.64)	24.5 (9.7)	16.3 (6.5)

Transmission Performance

Fiber Code	**E**	**C**	**K**
Performance Option Code	**01**	**31**	**30**
Fiber Type	Single-mode (1310/1383/1550 nm)	50/125 µm (850/1300 nm)	62.5/125 µm (850/1300 nm)
Maximum Attenuation (dB/km)	0.4/0.4/0.3	3.5/1.5	3.5/1.0
Minimum LED Bandwidth (MHz•km)	— / — / —	500/500	200/500
Minimum Effective Modal Bandwidth (MHz•km)	— / — / —	*510/—	*220/—
Serial Gigabit Ethernet Distance (m)	5000/ — / —	600/600	300/550
Serial 10 Gigabit Ethernet Distance (m)	10000/ — /40000	82/—	33/—

** As predicted by RML BW, per TIA/EIA 455-204 and IEC 60793-1-41, for intermediate performance laser-based systems (up to 1 Gb/s).*

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Ordering Information

Contact Customer Service for other options.

□□□□ C 7 - 1 4 1 □□ - 2 0
1 2 3 4 5 6 7 8 9 10 11 12 13 14

1 - 3 Select fiber count (multiples of 12).

Standard offerings:

024	048	144
036	072	216

4 Select fiber code (see Transmission Performance Table).

5 / 12 Defines fiber type.

C/- = Ribbon cable

6 Defines outer jacket.

7 = Riser cable

7 Defines fiber placement.

1 = Standard

Note: Use with ribbon fan-out kits for direct connectorization application

8 Defines length markings.

4 = Markings in feet (standard)

9 Defines tensile strength (see Specifications).

10 - 11 Select performance option code (see Transmission Performance Table).

13 - 14 Defines special requirements.

20 = No special requirements

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