

# Zipcord Riser Cables, 2-Fiber

An Evolant®  
Solutions Product

## features and benefits |

**900 µm TBII® Buffered Fibers** Easy, consistent stripping

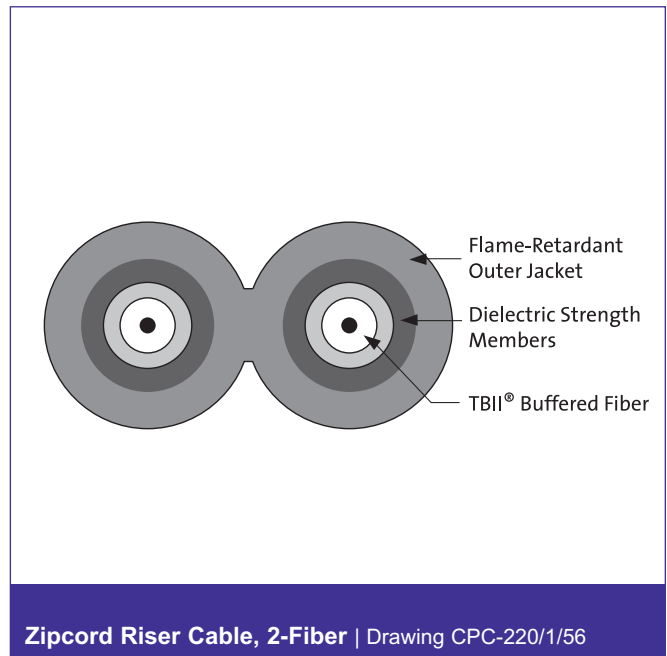
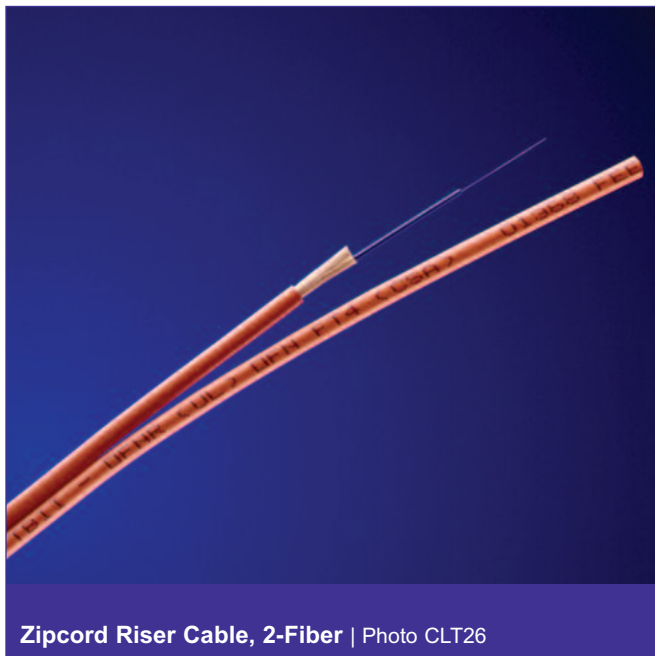
**All-dielectric strength member** Mechanical durability

## standards |

National Electric Code® (NEC®) Article 770,  
ICEA S-83-596 and Telcordia GR-409 test criteria

OFNR and CSA FT-4

Corning Cable Systems Zipcord Riser Cables are designed for interconnect applications. Two 900 µm TBII® Buffered Fibers are surrounded by aramid yarn strength members and jacketed with a flame-retardant polyethylene. Dielectric strength members offer mechanical durability. Also available with ClearCurve™ fiber.



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## specifications |

<b>Maximum Tensile Loads</b>	Short-Term: 220 N (48 lbf) Long-Term: 66 N (15 lbf)
<b>Temperatures</b>	Storage: -40° to +70°C (-40° to +158°F) Operation: 0° to +70°C (+32° to +158°F)
<b>Fiber Types (Core/Cladding Diameters)</b>	50/125 µm, 62.5/125 µm, single-mode
<b>Buffering Diameter</b>	900 µm
<b>Approvals and Listings</b>	National Electrical Code® (NEC®) OFNR, CSA FT-4
<b>Design and Test Criteria</b>	ICEA S-83-596, Telcordia GR-409
<b>Flame Resistance</b>	UL-1666 (for riser and general building applications)

Fiber Count	Nominal Weight kg/km (lb/1000 ft)	Nominal Outer Diameter* mm (in)	Minimum Bend Radius*	
			Loaded cm (in)	Installed cm (in)
2	12.7 (8.5)	2.8 x 5.6 (0.11 x 0.22)	5.0 (2.0)	2.5 (1.0)
2	6.7 (4.5)	2.0 x 4.0 (0.08 x 0.16)	5.0 (2.0)	2.5 (1.0)
2	4.5 (3.0)	1.6 x 3.3 (0.06 x 0.13)	5.0 (2.0)	2.5 (1.0)

Note: Installed minimum bend radius of 20 mm is acceptable with a length no longer than 1 m subjected to the bend.

\*Listed Minimum Bend Radius is for standard fiber types. Products with ClearCurve™ fiber have a minimum bend radius of 5 mm.

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## transmission performance |

Fiber Code	K	C	S	S	S	E	H	U
Performance Option Code	30	31	80	90	91	31	31	31
Optical Fiber Type (µm)	62.5 Multimode	50 Multimode	50 Multimode	50 Multimode	50 Multimode	Single-mode (1)	Bend-improved Single-mode (2)	Bend-Insensitive Single-mode (3)
ISO/IEC 11801 Nomenclature	OM1	OM2	OM3	OM3	OM3	OS2	OS2	OS2
Wavelength (nm)	850/1300	850/1300	850/1300	850/1300	850/1300	1310/1383/1550	1310/1383/1550	1310/1383/1550
Maximum Attenuation (dB/km)	3.4/1.0	3.0/1.0	3.0/1.0	3.0/1.0	3.0/1.0	0.65/0.65/0.5	0.65/0.65/0.5	0.65/0.65/0.5
Minimum Over Filled Launch (OFL) Bandwidth (MHz•km)	200/500	700/500	1500/500	1500/500	1500/500	- / - / -	- / - / -	- / - / -
Minimum Effective Modal Bandwidth (EMB) (MHz•km)	220/ -	950/ -	2000/ -	4700/ -	5350/ -	- / - / -	- / - / -	- / - / -
Serial 1 Gigabit Distance (m)	300/550	750/600	1000/600	1000/600	1000/600	5000 / - / -	5000 / - / -	5000 / - / -
Serial 10 Gigabit Distance (m)	33/ -	150/ -	300/ -	550*/ -	600**/ -	10000/ - / 40000	10000/ - / 40000	10000/ - / 40000

\* Assumes 1.0 dB maximum total connector/splice loss.

\*\* Assumes 0.7 dB maximum total connector/splice loss.

(1) ITU 652.D compliant.

(2) ITU 652.D compliant, ITU 657.A compliant.

(3) ITU 652.D compliant, ITU 657.A compliant, ITU 657.B compliant.

Notes:

Improved attenuation and bandwidth options available.

Contact Corning Cable Systems Customer Service Representative for additional information.

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ordering information | Contact Customer Service at 800-743-2671 for other options.

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

## |1-3

Defines fiber count (002).

## |4

Select fiber code  
(see Transmission  
Performance table).

## |5 / 12

Defines cable type.  
5/- = Zipcord Cable

## |6

Defines outer jacket.  
1 = Riser

## |7-8

Defines fiber placement  
and markings.  
31 = Zipcord cable, 2-fiber,  
ft markings

## |9

Select diameter options.  
1 = 2.8 mm  
3 = 2.0 mm  
4 = 1.6 mm

## |10-11

Select performance  
option code (see  
Transmission  
Performance table).

## |13-14

Defines special  
manufacturing code.  
24 = Standard for Zipcord  
Cable, 2-fiber

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