

Zipcord Riser Cables, 2-Fibers

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Features and Benefits

Meets NEC® requirements
Meets burn test criteria

All-dielectric strength member
Mechanical durability

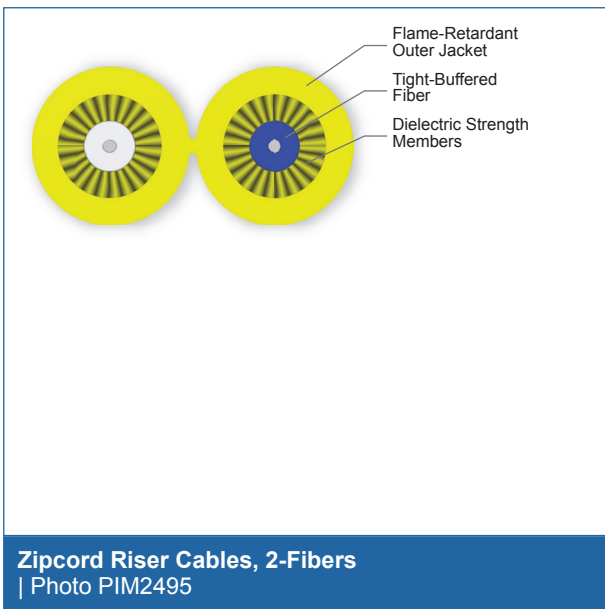
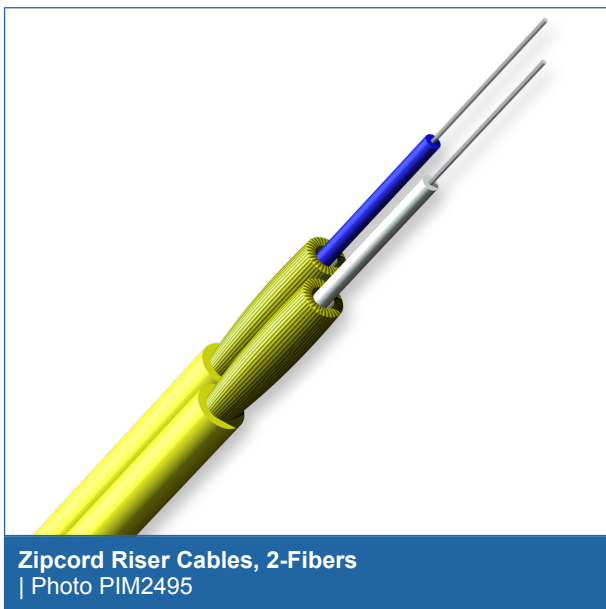
Standards

Approval and Listings National Electrical Code®
(NEC®) OFNR, CSA FT-4,
ICEA S-83-596

Flame Resistance UL-1666 (for riser and gen-
eral building applications)

Corning zipcord cables are designed for interconnect applications. Two 900 µm TBII® buffered fibers are surrounded by aramid yarn strength members and a flame-retardant jacket. This cable design offers mechanical durability and flame resistance that meet the requirements of the National Electrical Code® (NEC) Article 770.

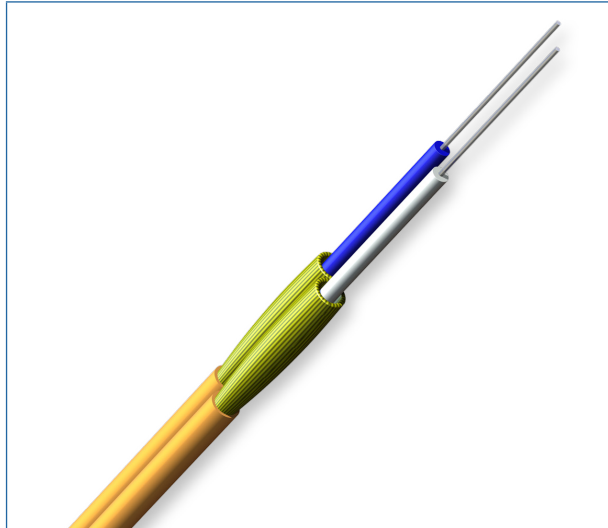
This cable is available in 12 different jacket colors – blue, orange, green, brown, slate, white, red, black, yellow, violet, rose and aqua. The colored jacket allows for easy visual identification of the cables. The standard jacket color will be determined by the dominant fiber type in the cable and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



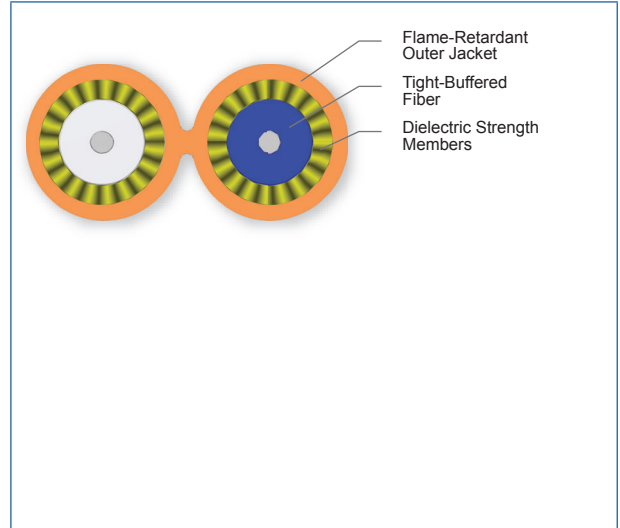
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Zipcord Riser Cables, 2-Fibers
| Photo PIM2495



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Specifications

Temperature Range

Storage	-40 °C to 70 °C (-40 °F to 158 °F)
Operation	-20 °C to 70 °C (-4 °F to 158 °F)

* Note: Corning recommends storing cable in a proper temperature environment prior to installation to allow the cable temperature to meet installation temperature range specifications for best installation results.

Max. Tensile Strength, Short-Term	220 N (50 lbf)
Max. Tensile Strength, Long-Term	66 N (15 lbf)

Mechanical Characteristics Cable

Fiber Count	Nominal Outer Diameter	Min. Bend Radius Installation	Min. Bend Radius Operation	Weight	Product Type
Multimode					
2	2 mm x 4.45 mm (0.08 in x 0.18 in)	50 mm (2 in)	25 mm (1 in)	7.03 kg/km (4.72 lb/1000 ft)	Interconnect
2	1.6 mm x 3.55 mm (0.08 in x 0.14 in)	50 mm (2 in)	25 mm (1 in)	4.89 kg/km (3.3 lb/1000 ft)	Interconnect
2	1.6 mm x 3.3 mm (0.06 in x 0.13 in)	50 mm (2 in)	8 mm (0.3 in)	4.6 kg/km (3.1 lb/1000 ft)	Interconnect

* Installed single-mode minimum bend radius of 20 mm is acceptable with a length no longer than 1 m subjected to the bend.

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Mechanical Characteristics Cable

Fiber Count	Nominal Outer Diameter	Min. Bend Radius Installation	Min. Bend Radius Operation	Weight	Product Type
2	2 mm x 4 mm (0.08 in x 0.16 in)	50 mm (2 in)	10 mm (0.4 in)	6.7 kg/km (4.5 lb/1000 ft)	Interconnect
2	2.8 mm x 5.6 mm (0.11 in x 0.22 in)	50 mm (2 in)	14 mm (0.55 in)	12.8 kg/km (8.5 lb/1000 ft)	Interconnect
Single-Mode					
2	1.6 mm x 3.3 mm (0.06 in x 0.13 in)	50 mm (2 in)	25 mm (1 in)	4.6 kg/km (3.1 lb/1000 ft)	Interconnect
2	2 mm x 4 mm (0.08 in x 0.16 in)	50 mm (2 in)	25 mm (1 in)	6.7 kg/km (4.5 lb/1000 ft)	Interconnect
2	2.8 mm x 5.6 mm (0.11 in x 0.22 in)	50 mm (2 in)	25 mm (1 in)	12.8 kg/km (8.5 lb/1000 ft)	Interconnect

* Installed single-mode minimum bend radius of 20 mm is acceptable with a length no longer than 1 m subjected to the bend.

Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2002/95/EG
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Transmission Performance

Multimode					
Fiber Core Diameter (μm)	62.5	50	50	50	50
Fiber Category	OM1	OM2	OM3	OM4	OM4 Extended Distance
Fiber Code	K	T	T	T	T
Performance Option Code	30	31	80	90	91
Wavelengths (nm)	850/1300	850/1300	850/1300	850/1300	850/1300
Maximum Attenuation (dB/km)	3.4/1.0	2.8/1.0	2.8/1.0	2.8/1.0	2.8/1.0
Serial 1 Gigabit Ethernet (m)	200/500	750/600	1000/600	1100/600	1100/600
Serial 10 Gigabit Ethernet (m)	220/-	150/-	300/-	550/-	600/-
Min. Overfilled Launch (OFL) Bandwidth (MHz*km)	300/550	700/500	1500/500	3500/500	3500/500
Minimum Effective Modal Bandwidth (EMB) (MHz*km)	33/-	950/-	2000/-	4700/-	5350/-

* Assumes 1.0 dB maximum total connector/splice loss.

* Assumes 0.7 dB maximum total connector/splice loss.

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

* ITU-T G.652 D compliant.

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.

4) 50 μm multimode fiber macrobend loss ≤ 0.2 dB at 850 nm for two turns around 7.5 mm radius mandrel.

Single-mode	
Fiber Name	SMF-28e® fiber
Fiber Category	G.652.D
Fiber Code	E
Performance Option Code	31
Wavelengths (nm)	1310/1383/1550
Maximum Attenuation (dB/km)	0.65/0.65/0.50

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Ordering Information | *Note: Contact Customer Care at 1-800-743-2675 for other options.*

0	0	2		5	1	-	3	1				-	2	4
1	2	3	4	5	6	7	8	9						

1 Defines fiber count.
002

2 Select fiber code.
K = 62.5 μ m multimode (OM1)
T = 50 μ m multimode,
(OM2/OM3/OM4/OM4+)
E = Single-mode (OS2)
SMF-28e+®

3 Defines cable type.
5 = Zipcord

4 Defines outer jacket.
1 = Riser

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

6 Select cable outside
diameter.
1 = 2.8 mm
3 = 2.0 mm
4 = 1.6 mm

7 Select performance
option code.
30 = 62.5 μ m multimode (OM1)
31 = 50 μ m multimode (OM2)
80 = 50 μ m multimode (OM3)
90 = 50 μ m multimode (OM4)
91 = 50 μ m multimode (OM4+)
31 = Single-mode (OS2)
(Max. attenuation .65 / .65 / 0.5 dB/km)

8 Defines cable type.
- = Zipcord

9 Defines special
manufacturing code.
24 = Standard for zipcord
cables, 2-fibers

Note: 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 while still providing all of the required environmental protection of an indoor/outdoor cable jacket. Black is the standard jacket color using the part numbers shown here. Contact Customer Care at 1-800-743-2675 to order other color options.



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