

Fan-Out Riser Cables, 2-24 Fibers

A LANscape® Pretium™
Solutions Product

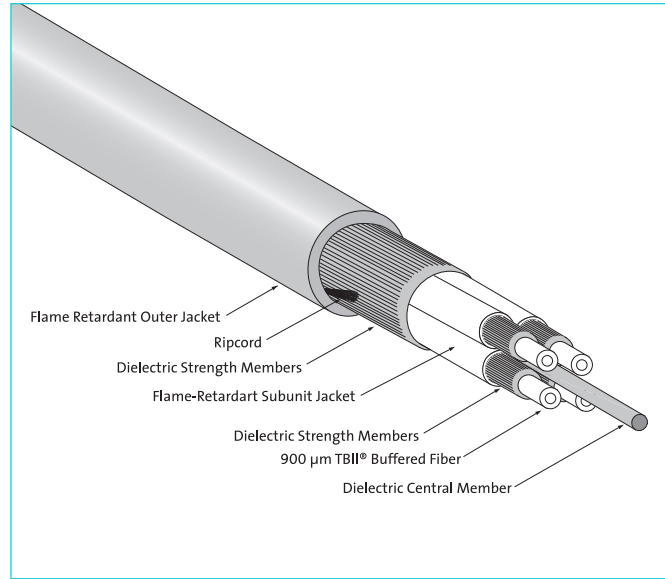
features and benefits |

900 µm TBII® Buffered Fibers	Easy, consistent stripping
Flame-retardant jacket	Rugged and durable
All-dielectric cable construction	Requires no grounding or bonding

Corning Cable Systems Fan-Out Riser Cables are designed for use in riser spaces within buildings, for building backbone and horizontal cabling. These multi-fiber OFNR cables use individually jacketed 900 µm TBII® Buffered Fibers enabling easy, consistent stripping and facilitating termination. The fibers are stranded around a dielectric central member with a flame-retardant outer jacket, making this cable particularly useful for applications requiring direct connection to terminal equipment or requiring extra rugged cables. Offered with 1.6 mm, 2.0 mm and 2.9 mm subunits, this design is also available in 50 µm, 62.5 µm, single-mode and hybrid versions. Also offered in OFNP and FT-6 versions.



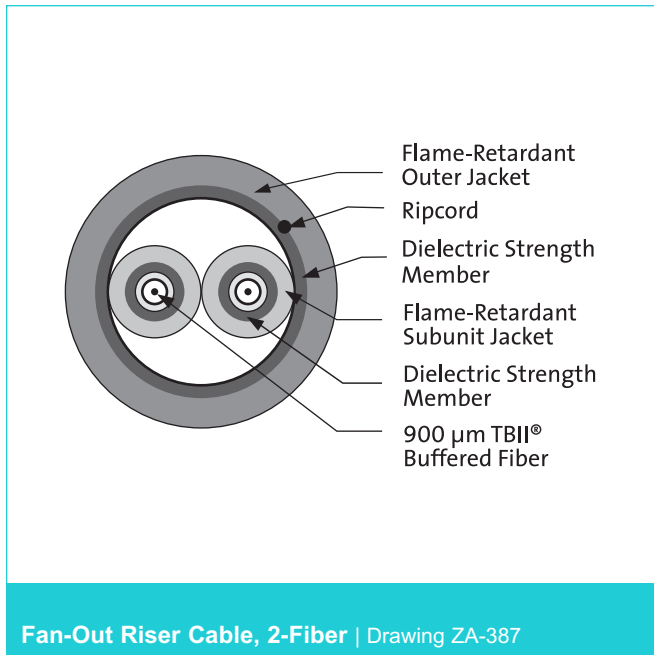
Fan-Out Riser Cable | Photo CTB01



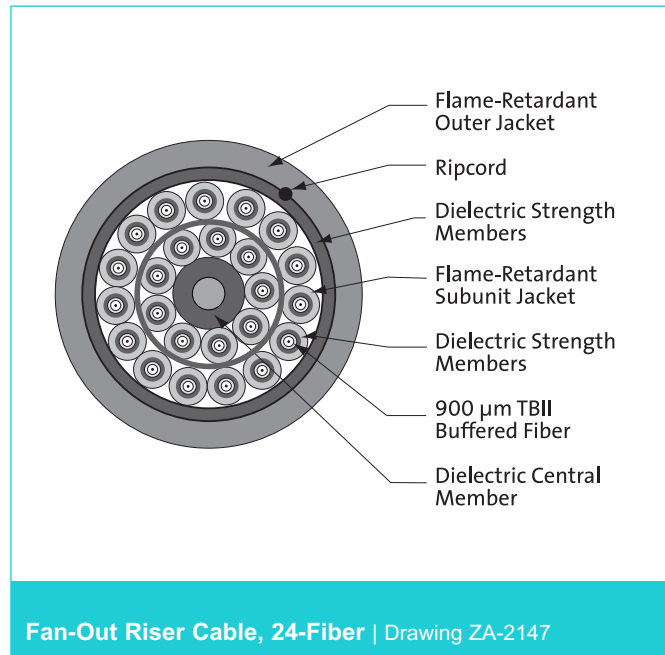
Fan-Out Riser Cable, 4-Fiber | Drawing ZA-1676

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Fan-Out Riser Cable, 2-Fiber | Drawing ZA-387



Fan-Out Riser Cable, 24-Fiber | Drawing ZA-2147

specifications |

Temperatures

Storage:	-40° to +70°C (-40° to +158°F)
Installation:	-10° to +60°C (+14° to +140°F)
Operation:	-20° to +70°C (-4° to +158°F)

Approvals and Listings

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

Flame Resistance

UL-1666 (for riser and general building applications)

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specifications | (continued)

Fiber Count	Nominal Outer Diameter mm (in)	Nominal Weight kg/km (lb/1000 ft)	Central Member	Maximum Tensile Loads Short-Term N (lbf) Long-Term N (lbf)		Minimum Bend Radius Loaded cm (in) Installed cm (in)	
1.65 mm Subunits, Single Layer							
2	5.2 (0.2)	23 (16)	Y	660 (148)	198 (45)	7.8 (3.1)	5.2 (2.1)
4	6.0 (0.2)	31 (21)	Y	660 (148)	198 (45)	9.0 (3.6)	6.0 (2.4)
6	7.1 (0.3)	45 (30)	G	660 (148)	198 (45)	10.7 (4.2)	7.1 (2.8)
8	8.1 (0.3)	58 (39)	JG	660 (148)	198 (45)	12.2 (4.8)	8.1 (3.1)
1.65 mm Subunits, Dual Layer							
12 (9/3)	8.4 (0.3)	61 (41)	Y	660 (148)	198 (45)	12.6 (5.0)	8.4 (3.3)
16 (11/5)	10.3 (0.4)	81 (54)	G	1320 (297)	396 (89)	15.5 (6.1)	10.3 (4.1)
24 (15/9)	11.6 (0.5)	117 (79)	JG	1320 (297)	396 (89)	12.4 (6.9)	11.6 (4.6)
2.0 mm Subunits, Single Layer							
2	5.9 (0.2)	28 (19)	Y	660 (148)	198 (45)	8.9 (3.5)	5.9 (2.3)
4	6.8 (0.3)	39 (27)	G	660 (148)	198 (45)	10.2 (4.0)	6.8 (2.7)
6	8.3 (0.3)	60 (41)	G	660 (148)	198 (45)	12.5 (4.9)	8.3 (3.1)
8	9.4 (0.4)	76 (51)	JG	660 (148)	198 (45)	13.5 (5.3)	9.4 (3.7)
2.0 mm Subunits, Dual Layer							
12 (9/3)	10.5 (0.4)	80 (54)	G	660 (148)	198 (45)	15.8 (6.2)	10.5 (4.1)
16 (11/5)	11.3 (0.4)	103 (69)	G	1320 (297)	396 (89)	17.0 (6.7)	11.3 (4.4)
24 (15/9)	13.9 (0.6)	161 (108)	JG	1320 (297)	396 (89)	20.9 (8.2)	13.9 (5.5)
2.9 mm Subunits, Single Layer							
2	7.7 (0.3)	40 (27)	Y	660 (148)	198 (45)	11.6 (4.5)	7.7 (3.0)
4	8.6 (0.3)	59 (40)	G	660 (148)	198 (45)	12.9 (5.1)	8.6 (3.4)
6	10.4 (0.4)	88 (59)	J	660 (148)	198 (45)	15.6 (6.2)	10.4 (4.1)
8	12.3 (0.5)	122 (82)	JG	660 (148)	198 (45)	18.5 (7.3)	12.3 (4.8)
2.9 mm Subunits, Dual Layer							
12 (9/3)	13.5 (0.5)	128 (86)	G	1320 (297)	396 (89)	20.3 (8.0)	13.5 (5.3)
16 (11/5)	15.5 (0.6)	186 (125)	G	1320 (297)	396 (89)	23.3 (9.2)	15.5 (6.1)
24 (15/9)	19.3 (0.8)	288 (193)	JG	1320 (297)	396 (89)	29.0 (11.4)	19.3 (7.6)

Note:

Central Member Types: Y = Yarn, G = Glass Reinforced Plastic (GRP), JG = Jacketed GRP. Fiber arrangement in dual-layer designs is shown in parentheses. Example: (9/3) = 9 outside fibers around 3 inner fibers.

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transmission performance |

	LANscape® 62.5 Solutions	Pretium™ 150 Solutions	Pretium 300 Solutions	Pretium 550 Solutions	Pretium 600 Solutions	Single-Mode	Bend-Improved Single-Mode
Fiber Code	K	C	S	S	S	E	H
Performance Option Code	30	31	80	90	91	31	31
Optical Fiber Type (µm)	62.5 Multimode	50 Multimode	50 Multimode	50 Multimode	50 Multimode	Single-mode****	Bend-Improved Single-mode*****
ISO/IEC 11801 Nomenclature	OM1	OM2	OM3***	OM3***	OM3***	OS2	OS2
Wavelength (nm)	850/1300	850/1300	850/1300	850/1300	850/1300	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
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 Gig Distance (m)	300/550	750/600	1000/600	1000/600	1000/600	5000 / - / -	5000 / - / -
Serial 10 Gig Distance (m)	33/ -	150/ -	300/ -	550*/ -	600**/ -	10000/ - /40000	10000/ - /40000

* 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 Cable Systems Plug & Play™ Systems solutions.

**** ITU 652.D compliant.

***** ITU 652.D compliant, ITU 657.A compliant.

Notes:

- 1) Improved attenuation and bandwidth options available.
- 2) Bend-insensitive single-mode fibers available on request.
- 3) Contact Corning Cable Systems Customer Service Representative for additional information.

Fan-Out Riser Cables, 2-24 Fibers

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

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6	1	-	3	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	2	4
1	2	3	4	5	6		7	8	9	10	11		12	13 14

|1-3

Select fiber count.
002 006 012 024
004 008 016

|4

Select fiber code
(see Transmission
Performance table).

|5 / 12

Defines cable type.
6 / - = Standard for
fan-out cable

|6

Defines outer jacket.
1 = Standard for riser

|7

Defines fiber placement.
3 = Standard

|8

Defines length markings.
1 = Markings in feet
(standard)

|9

Select tensile strength.
1 = 2.9 mm subunits
3 = 2.0 mm subunits
4 = 1.65 mm subunits

|10-11

Select performance
option code (see
Transmission
Performance table).

|13-14

Defines special
requirements.
24 = No special requirements

