Single-Fiber Riser Cables

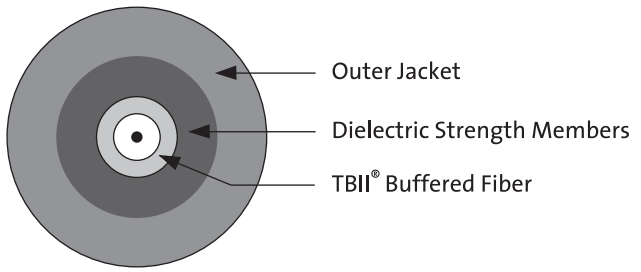
A LANscape® Solutions Product

features and benefits |

Meet NEC® requirements	Meets burn test criteria
All-dielectric strength member	Mechanical durability

Corning Cable Systems Single-Fiber Riser Cables are designed for interconnect applications. A 900 µm TBII® Buffered Fiber is surrounded by aramid yarn strength members and a flame-retardant jacket. Dielectric strength members offer mechanical durability and flame resistance meets UL-1666 requirements for riser and general purpose building applications. Also meeting requirements of the National Electric Code® (NEC®) Article 770, the cables are OFNR and CSA FT-4 listed.

RoHS COMPLIANT



Single-Fiber Cable | Drawing ZA-393

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specifications |

Temperatures	Storage: -40° to +70°C (-40° to +158°F) Operation: -20° to +70°C (-40° to +158°F)
Fiber Types (Core/Cladding Diameters)	50/125 µm, 62.5/125 µm, single-mode
Buffering Diameter	900 µm
Approvals, Listings and Standards	National Electrical Code® (NEC®) OFNR, CSA FT-4, ICEA S-83-596
Flame Resistance	UL-1666 (for riser and general purpose building applications)

Fiber Count	Nominal Outside Diameter mm (in)	Nominal Weight kg/km (lb/1000 ft)	Maximum Tensile Loads Short-Term N (lbf)	Maximum Tensile Loads Long-Term N (lbf)	Minimum Bend Radius Loaded cm (in)	Minimum Bend Radius Installed cm (in)
1	2.9 (0.11)	6.4 (4.3)	220 (49)	66 (15)	5.0 (2.0)	2.5 (1.0)
1	2.0 (0.08)	3.4 (2.3)	220 (49)	66 (15)	5.0 (2.0)	2.5 (1.0)
1	1.6 (0.06)	2.3 (1.5)	150 (33)	45 (10)	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.

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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™ 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.

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

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

1-3
Defines fiber count (001).

4
Select fiber code (see Transmission Performance table).

5 / 12
Defines cable type.
3/- = Single-fiber cable

6
Defines outer jacket.
1 = Standard for riser

7 / 8
Defines fiber placement and markings.
31 = Single-fiber cable, feet markings

9
Select diameter options.
1 = 2.9 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 single-fiber riser cables

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