

ALTOS® Gel-Free Riser Cables

2-288 Fibers

An Evolant™ Solutions Product

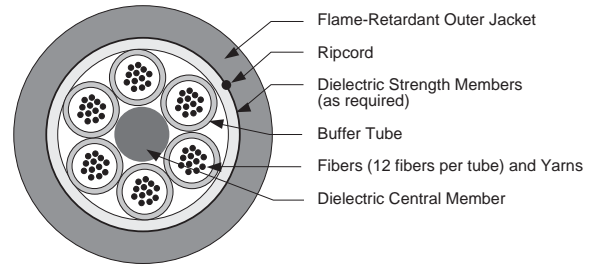
Corning
Cable Systems

Description

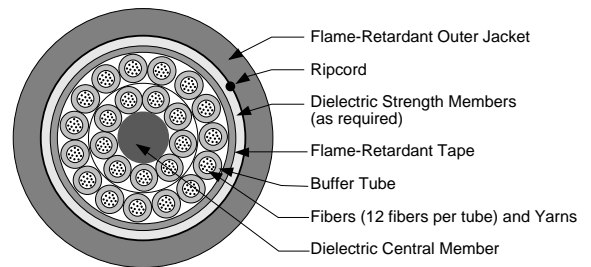
Corning Cable Systems' ALTOS® Gel-Free Riser Cables are flame-retardant, riser-rated cables suitable for installation in indoor riser or general-purpose horizontal applications. Based on the loose tube cable design pioneered by Corning Cable Systems, this redesigned version has no messy gels, eliminating the need for cleaning solvents while making cable access and installation of buffer tube fan-outs simple, craft-friendly processes. Available from two to 288 fibers, the buffer tubes and fibers in each tube are color-coded for quick, easy identification.

Features / Benefits

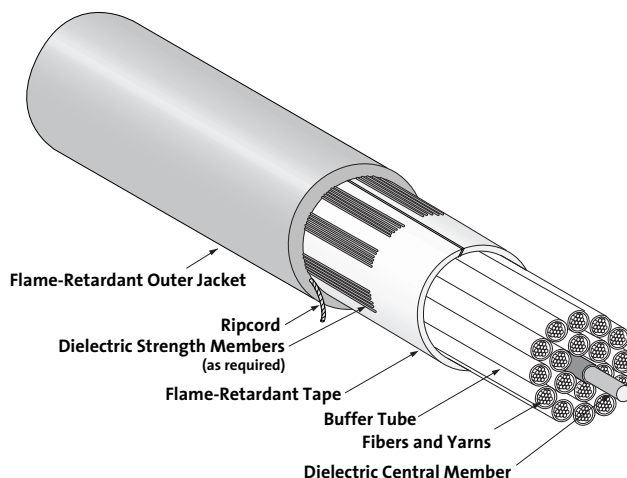
- Gel-free design makes cable access and use of buffer tube fan-out kits simple and craft-friendly
- Available in 62.5 μm , 50 μm , single-mode and hybrid versions
- Standard 3.0 mm buffer tube size reduces the number of access tools required by craft personnel
- SZ-stranded loose tube design isolates fibers from installation, environmental rigors and allows for easy mid-span access
- All-dielectric cable construction requires no grounding or bonding
- Listed OFNR and CSA OFN FT-4
- Available with Gigabit Ethernet and 10 Gigabit Ethernet performance



72-Fiber ALTOS Gel-Free Riser Cable | Drawing ZA-2740



288-Fiber ALTOS Gel-Free Riser Cable | Drawing ZA-2741



ALTOS Gel-Free Riser Cable | Drawing ZA-2742



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Specifications

Maximum Tensile Loads	Short-Term: 2700 N (600 lbf) Long-Term: 810 N (180 lbf)
Storage Temperature	-40° to +70°C (-40° to +158°F)
Installation 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	Maximum Fibers per Tube	Number of Tube Positions	Nominal Weight kg/km (lb/1000 ft)	Nominal Outer Diameter ¹ mm (in)	Minimum Bend Radius Loaded cm (in)	Minimum Bend Radius Installed cm (in)
≤60	12	5	120 (88)	11.8 (0.46)	17.7 (7.0)	11.8 (4.6)
72	12	6	133 (89)	12.2 (0.48)	20.0 (7.9)	12.2 (4.8)
96	12	8	208 (139)	15.1 (0.59)	22.7 (8.9)	15.1 (5.9)
120	12	10	260 (174)	17.2 (0.68)	25.8 (10.2)	17.2 (6.8)
144	12	16	273 (183)	18.9 (0.74)	28.4 (11.2)	18.9 (7.4)
216	12	18	293 (196)	19.3 (0.76)	29.0 (11.4)	19.3 (7.6)
240	12	20	318 (213)	20.2 (0.80)	30.3 (11.9)	20.2 (8.0)
288	12	24	382 (256)	22.4 (0.88)	33.6 (13.2)	22.4 (8.8)

Notes:

¹ Actual diameter may vary by ± 5%.

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Transmission Performance

Fiber Code	K	C	S	E
Fiber Type (850/1300 nm)	62.5/125 μm (850/1300 nm)	50/125 μm (850/1300 nm)	50/125 μm (1310/1550 nm)	Single-mode
Performance Option Code	30	31	80	01
Maximum Attenuation (dB/km)	3.5/1.0	3.5/1.5	3.5/1.5	0.4/0.4/0.3
Minimum LED Bandwidth (MHz•km)	200/500	500/500	1500/500	–
Minimum Effective Modal Bandwidth (MHz•km)	*220/ –	*510/ –	*2000/ –	–
Serial Gigabit Ethernet Distance Guarantee (m)	300/550	600/600	1000/600	5000/ – / –
Serial 10 Gigabit Ethernet Distance (m)	33/ –	82/ –	300/ –	10000/40000

**EMB when deployed with 850nm, 1Gb/s VCSELs, as predicted by RML Bandwidth using FOTP-204*

Ordering Information

Contact Customer Service for other options.

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

1 - 3 Select fiber count (002 to 288).

4 Select fiber code (see Transmission Performance Table).

5 / 12 Defines cable type.

W/D = ALTOS® Cable

6 Defines jacket.

7 = Indoor riser

7 Select fiber placement.

T = 12 fiber/buffer tube (standard)

6 = 6 fiber/buffer tube

8 Select length markings.

4 = Markings in feet (standard)

3 = Markings in meters

9 Defines tensile strength.

1 = 2700 N/600 lb (standard)

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

13 - 14 Defines special requirements.

20 = No special requirements