

SST-UltraRibbon™ Gel-Free Cables, 288-432 Fibers

An Evolant® Solutions Product

Corning
Cable Systems

Description

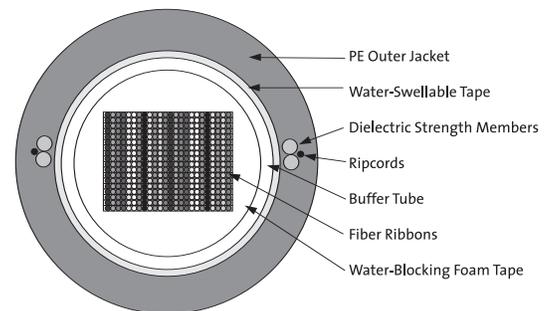
Corning Cable Systems SST-UltraRibbon™ Gel-Free Cables continue the revolution in outdoor cable design by introducing a new generation of high-fiber-count gel-free cables. This cable consists of a single buffer tube containing a stack of up to eighteen 24-fiber ribbons wrapped within a protective water-swellaable foam tape. This central buffer tube is surrounded by a second water-swellaable tape. Dielectric or steel strength members located 180 degrees apart under the cable jacket provide tensile and anti-buckling strength. The cable is jacketed with a black UV-resistant polyethylene sheath. Armored cables include a copolymer-coated corrugated steel tape armor layer.



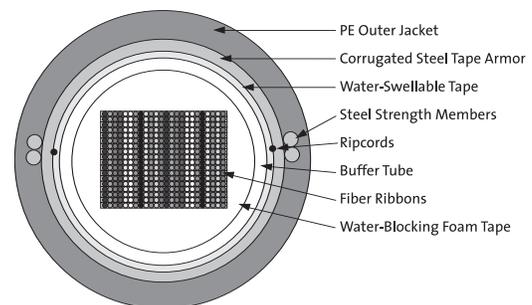
432-Fiber SST-UltraRibbon Dielectric Gel-Free Cable | Photo CLT61

Features / Benefits

- SST-UltraRibbon Gel-Free Cables provide up to 432 fibers in a compact, rugged design
- All fiber counts and jacket options will easily fit in 1.25-inch inner diameter or larger inner-duct
- Completely gel-free design contains no messy filling or flooding compounds, thereby eliminating time and labor associated with cleaning ribbons; the work and splicing areas stay cleaner and splice preparation is simplified
- Patented enhanced coupling features ensure the ribbon stack and cable act as one unit, providing long-term reliability in aerial, duct and direct-buried applications and minimizing ribbon movement in situations where cable vibration may occur
- Compatible with standard ribbon cable procedures and hardware
- Easily accessible individual fibers
- Each 24-fiber ribbon can be easily separated into two 12-fiber ribbons by hand; each 12-fiber ribbon individually numbered for easy identification



432-Fiber SST-UltraRibbon Dielectric Gel-Free Cable | ZA-2985



432-Fiber SST-UltraRibbon Armored Gel-Free Cable | ZA-2984

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Specifications

Maximum Tensile Loads	Short-Term: 2700 N (600 lbf) Long-Term: 890 N (200 lbf)
Storage Temperature	-40° to +70°C (-40° to +158°F)
Installation Temperature	-30° to +70°C (-22° to +158°F)
Operating Temperature	-40° to +70°C (-40° to +158°F)
Common Installation	Outdoor aerial, duct and direct-buried; indoor when installed according to NEC® Article 770
Design and Test Criteria	ANSI/ICEA S-87-640, Telcordia GR-20

Fiber Count	Nominal Weight kg/km (lb/1000 ft)	Buffer Tube Outer Diameter mm (in)	Nominal Outer Diameter mm (in)	Minimum Bend Radius	
				Loaded cm (in)	Installed cm (in)
Dielectric					
288	261 (175)	14.0 (0.55)	20.3 (0.80)	30.5 (12.0)	20.3 (8.0)
360	277 (186)	14.6 (0.57)	20.9 (0.82)	31.4 (12.3)	20.9 (8.2)
432	299 (200)	15.4 (0.61)	21.7 (0.85)	32.6 (12.8)	21.7 (8.5)
Armored					
288	355 (238)	14.0 (0.55)	21.9 (0.86)	32.9 (12.9)	21.9 (8.6)
360	371 (249)	14.6 (0.57)	22.5 (0.89)	33.8 (13.3)	22.5 (8.9)
432	397 (266)	15.4 (0.61)	23.3 (0.92)	35.0 (13.8)	23.3 (9.2)

¹ Actual diameter may vary by ±5%.

Transmission Performance Table

Fiber Type	E
Performance Option Code	01
Fiber Type	Single-mode (1310/1383/1550 nm)
Maximum Attenuation (dB/km)	0.4/0.4/0.3
Minimum LED Bandwidth (MHz•km)	- / - / -
Minimum Effective Modal BW (MHz•km)	- / - / -
Serial Gigabit Ethernet Distance (m)	5000/ - / -
Serial 10 Gigabit Ethernet Distance (m)	10000/40000

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

^{**} EMB when deployed with 850 nm, 10 Gb/s VCSELs, as predicted by RML Bandwidth using FOTP-220.

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Ordering Information

Contact Customer Service for other options.

E V 4 - 1 1 D 5 3
1 2 3 4 5 6 7 8 9 10 11 12 13 14

1 - 3 Select fiber count.

288
360
432

4 Defines fiber type.

E = Single-mode
(See Transmission Performance Table.)

5 / 12 Defines cable design.

6 Defines outer jacket.

4 = Dielectric
5 = Armored

7 Defines fiber placement.

1 = Standard

8 Select length markings.

4 = Markings in feet (standard)
3 = Markings in meters

9 Defines tensile strength.

1 = Standard

10 - 11 Select performance option code.

01 = 0.4 / 0.4 / 0.3
(See Transmission Performance Table.)

13 - 14 Defines special requirements.

53 = Standard jacket print plus SOC code