

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



Features and Benefits

Gel-free with no filling compound
Eliminates time and labor of cleaning

Innovative waterblocking technology
Prevents water penetration

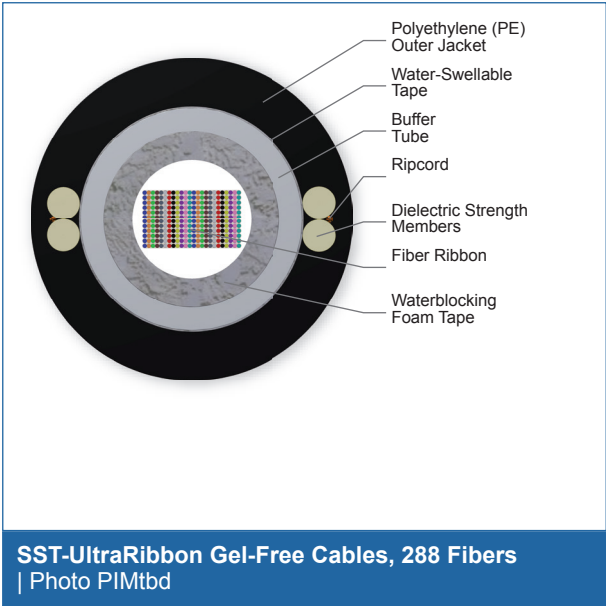
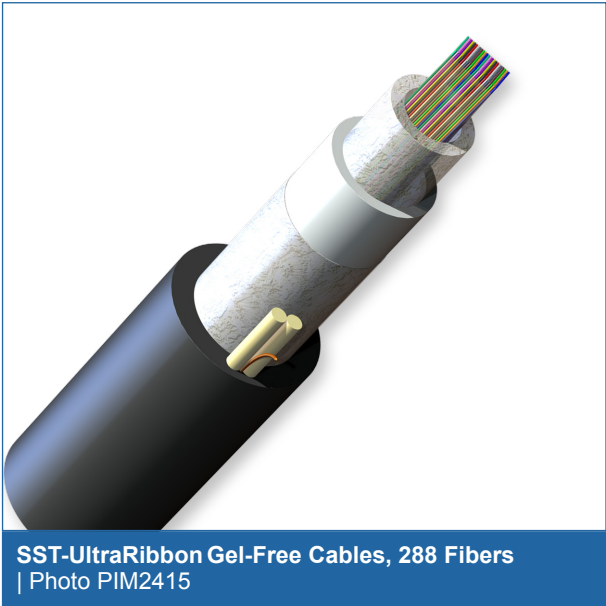
Up to 432 fibers in a compact design
Easily fits in 1.25-in diameter inner duct

12-fiber ribbons individually numbered
Easy identification

Standards

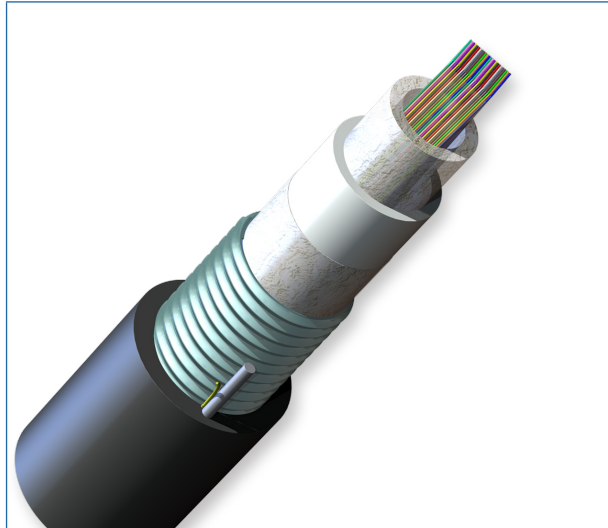
Common Installations	Outdoor aerial, duct and direct-buried; indoor when installed according to National Electrical Code® (NEC®) Article 770
Design and Test Criteria	ANSI/ICEA S-87-640, Telcordia GR-20
Approval and Listings	RDUP PE-90 Listed

Corning SST-UltraRibbon™ gel-free cables continue the innovative breakthrough in outdoor cable technology by introducing a new generation of high-fiber-count gel-free cables. Providing high-fiber-counts in a rugged, compact design, the enhanced coupling features ensure the ribbon stack and cable act as one unit, providing long-term reliability in aerial, duct and direct-buried applications. These features also minimize ribbon movement in situations where cable vibration may occur. The cable consists of a single buffer tube containing a stack of up to eighteen 24-fiber ribbons wrapped within a water-swellable foam tape and surrounded by a second water-swellable tape. Each 24-fiber ribbon can be easily separated by hand into two 12-fiber ribbons. 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.

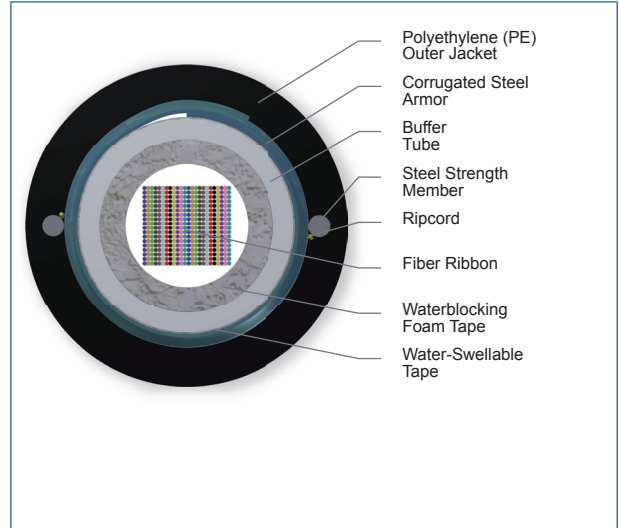


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**SST-UltraRibbon Gel-Free Armored Cables,
432 Fibers | Photo PIM2420**



**SST-UltraRibbon Gel-Free Armored Cables,
432 Fibers | Photo PIMtbd**

Specifications

Temperature Range	
Storage	-40 °C to 70 °C (-40 °F to 158 °F)
Installation	-30 °C to 70 °C (-22 °F to 158 °F)
Operation	-40 °C to 70 °C (-40 °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	2700 N (600 lbf)
Max. Tensile Strength, Long-Term	890 N (200 lbf)

Mechanical Characteristics Cable

Fiber Count	Weight	Buffer Tube Diameter	Nominal Outer Diameter	Min. Bend Radius Installation	Min. Bend Radius Operation
Dielectric					
288	266 kg/km (178 lb/1000 ft)	14.0 mm (0.55 in)	20.3 mm (0.8 in)	305 mm (12.0 in)	203 mm (8.0 in)
360	283 kg/km (190 lb/1000 ft)	14.6 mm (0.57 in)	20.9 mm (0.82 in)	314 mm (12.3 in)	209 mm (8.2 in)

* Note: Actual diameter may vary by ± 5 percent.

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Mechanical Characteristics Cable

Fiber Count	Weight	Buffer Tube Diameter	Nominal Outer Diameter	Min. Bend Radius Installation	Min. Bend Radius Operation
432	276 kg/km (186 lb/1000 ft)	15.4 mm (0.61 in)	21.1 mm (0.83 in)	317 mm (12.5 in)	211 mm (8.3 in)
Armored					
288	375 kg/km (252 lb/1000 ft)	14.0 mm (0.55 in)	21.5 mm (0.85 in)	323 mm (12.7 in)	215 mm (8.5 in)
360	389 kg/km (261 lb/1000 ft)	14.6 mm (0.57 in)	22.0 mm (0.87 in)	330 mm (13.0 in)	220 mm (8.7 in)
432	412 kg/km (277 lb/1000 ft)	15.4 mm (0.61 in)	22.6 mm (0.89 in)	339 mm (13.3 in)	226 mm (8.9 in)

* Note: Actual diameter may vary by ± 5 percent.

Chemical Characteristics

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

Single-mode					
Fiber Name	SMF-28e+® fiber	SMF-28e+® fiber	SMF-28e+® LL	SMF-28® Ultra**	ClearCurve® XB**
Fiber Category	G.652.D	G.652.D	G.652.D	G.652.D/G.657.A1	G.652.D/G.657.A1
Fiber Code	E	E	L	Z	H
Performance Option Code	00	01	22	22	01
Wavelengths (nm)	1310/1383/1550	1310/1383/1550	1310/1383/1550	1310/1383/1550	1310/1383/1550
Maximum Attenuation (dB/km)	0.35/0.35/0.25	0.4/0.4/0.3	0.34/0.34/0.22	0.34/0.34/0.22	0.4/0.4/0.3
Typical Attenuation* (dB/km)	0.33/0.33/0.19	0.33/0.33/0.19	0.32/0.32/0.18	0.32/0.32/0.18	0.35/0.35/0.20
Fiber Name	SMF-28® ULL	LEAF®			
Fiber Category	G.652	G.655			
Fiber Code	P	F			
Performance Option Code	19	01			
Wavelengths (nm)	1310/1383/1550	1310/1383/1550			
Maximum Attenuation (dB/km)	0.33/-/0.19	-/-/0.25			
Typical Attenuation* (dB/km)	0.31/-/0.17	-/-/0.19			

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

			E	V		-	1		1			D	5	3
1			2	3	4		5	6	7	8		9	10	

1 Select fiber count.
288 360 432

2 Defines fiber type.
E = Single-mode (OS2)
SMF-28e+®

3 Defines cable type.
V = SST-UltraRibbon™

4 Select cable type.
4 = Dielectric
5 = Single-jacket, single-armored

5 Defines fiber placement.
1 = Standard for ribbon cables

6 Defines length markings.
4 = Markings in ft (standard)
3 = Markings in meters

7 Defines tensile strength.
1 = 2700 N/600 lb (standard)

8 Select performance option code.
01 = Single-mode (OS2)
(Max. attenuation 0.4/0.4/0.3 dB/km)
00 = Single-mode (OS2)
(Max. attenuation 0.35/0.35/0.25 dB/km)

9 Defines cable type.
D = Gel-Free Cable

10 Defines special requirements.
53 = Standard jacket print plus SOC code



Corning Optical Communications LLC • PO Box 489 • Hickory, NC 28603-0489 USA

800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • www.corning.com/opcomm

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