

SST-UltraRibbon™ Gel-Free Armored Cables, 288-864 Fibers



Features and Benefits

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

Innovative waterblocking technology
Prevents water penetration

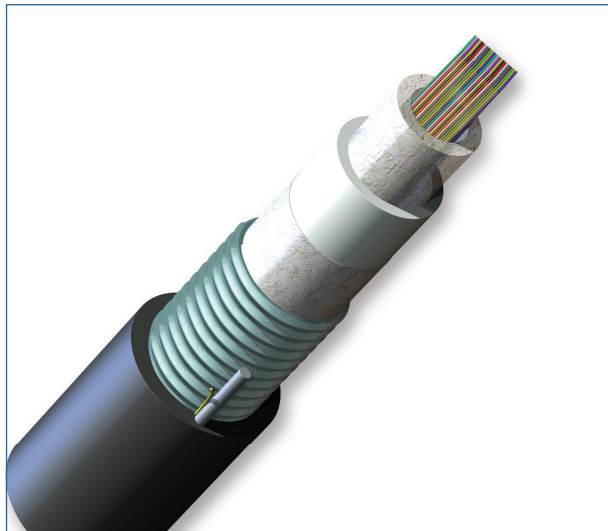
Up to 864 fibers in a compact design
Maximizes use of critical duct space

12-fiber ribbons individually numbered
Easy identification

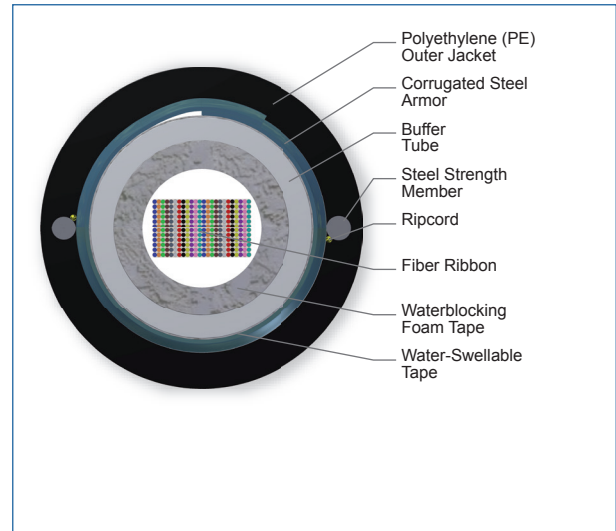
Standards

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

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 24-fiber and 36-fiber ribbons wrapped within a water-swellaable foam tape and surrounded by a second water-swellaable tape. Each 24-fiber and 36-fiber ribbon can be easily separated by hand into 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.



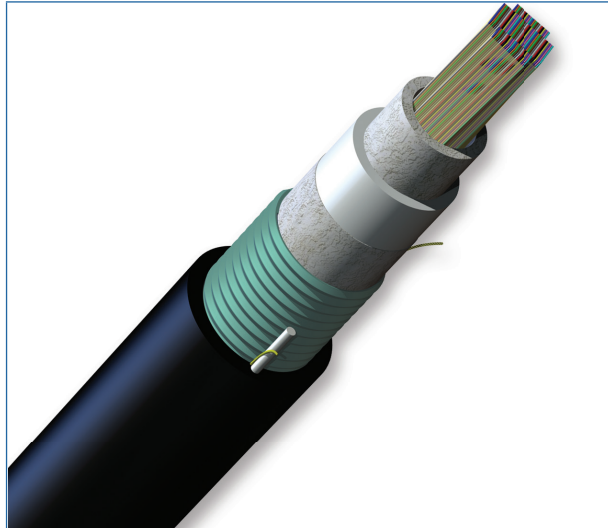
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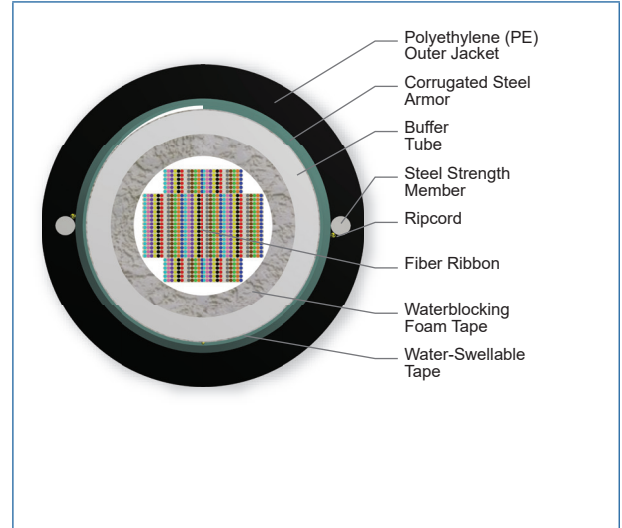
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CORNING



SST-UltraRibbon Gel-Free Armored Cables, 864 Fibers



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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.

Mechanical Characteristics Cable

Max. Tensile Strength, Short-Term	2700 N (600 lbf)
Max. Tensile Strength, Long-Term	890 N (200 lbf)

Fiber Count	Weight	Buffer Tube Diameter	Nominal Outer Diameter	Min. Bend Radius Installation	Min. Bend Radius Operation
288	375 kg/km (252 lb/1000 ft)	14.0 mm (0.55 in)	20.5 mm (0.81 in)	308 mm (12.2 in)	205 mm (8.1 in)
360	386 kg/km (259 lb/1000 ft)	14.6 mm (0.57 in)	22.0 mm (0.87 in)	330 mm (13.1 in)	220 mm (8.7 in)
432	409 kg/km (275 lb/1000 ft)	15.4 mm (0.61 in)	21.8 mm (0.89 in)	327 mm (12.9 in)	218 mm (8.6 in)
576	460 kg/km (309 lb/1000 ft)	18.0 mm (0.71 in)	24.4 mm (0.96 in)	366 mm (14.4 in)	244 mm (9.6 in)

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Fiber Count	Weight	Buffer Tube Diameter	Nominal Outer Diameter	Min. Bend Radius Installation	Min. Bend Radius Operation
720	475 kg/km (319 lb/1000 ft)	18.0 mm (0.71 in)	24.4 mm (0.96 in)	366 mm (14.4 in)	244 mm (9.6 in)
864	493 kg/km (331 lb/1000 ft)	18.0 mm (0.71 in)	24.4 mm (0.96 in)	366 mm (14.4 in)	244 mm (9.6 in)

Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
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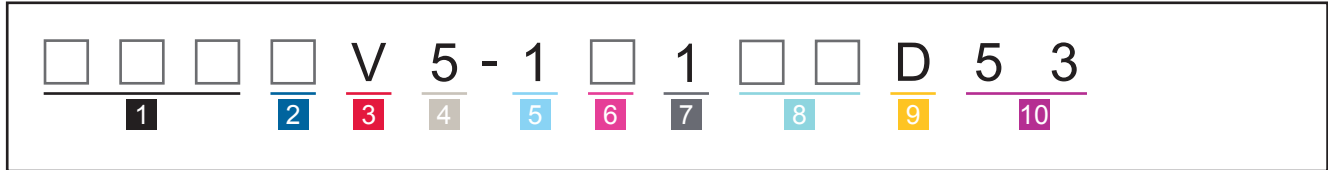
Transmission Performance

Single-mode			
Fiber Name	Single-mode (OS2)	Single-mode (OS2)	SMF-28® Ultra fiber
Fiber Category	G.652.D	G.652.D	G.657.A1
Fiber Code	E	E	Z
Performance Option Code	00	01	00
Wavelengths (nm)	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	0.35/0.35/0.25

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



1 Select fiber count.
288 360 432
576 720 864

2 Select fiber type.
E = Single-mode (OS2)
SMF-28e+®
Z = Single-mode (OS2)
SMF-28® Ultra fiber
See Transmission Performance table for more fiber options

3 Defines cable type.
V = SST-UltraRibbon™

4 Defines cable type.
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



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