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

CORNING

Features and Benefits

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

Innovative waterblocking technology
Prevents water penetration

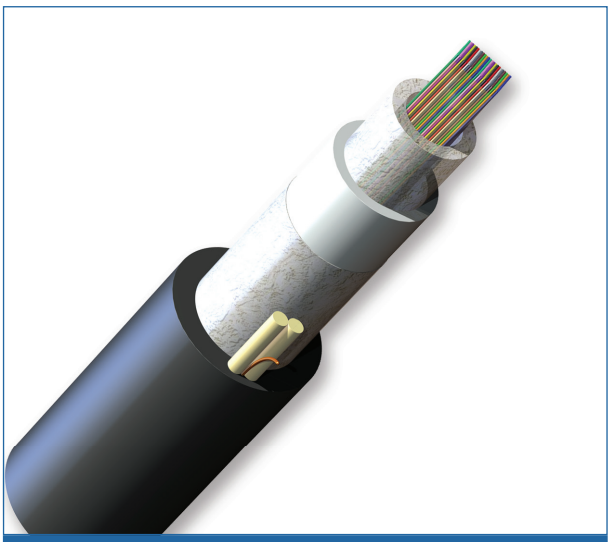
Up to 864 fibers in a compact design
Maximizes use of critical duct space

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 and duct; 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 and duct 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-swellable foam tape and surrounded by a second water-swellable 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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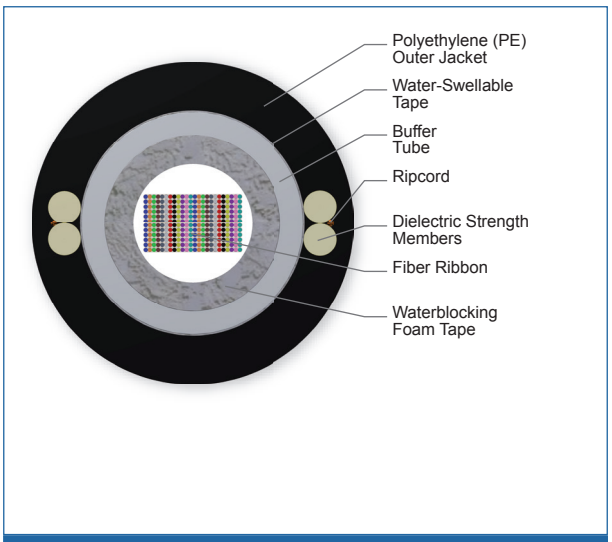

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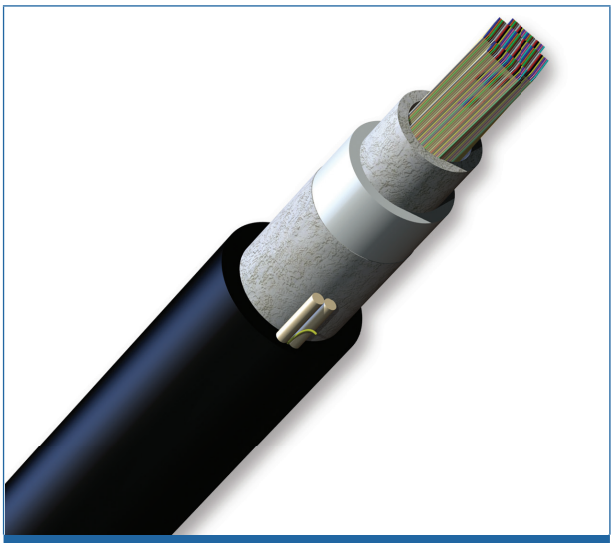

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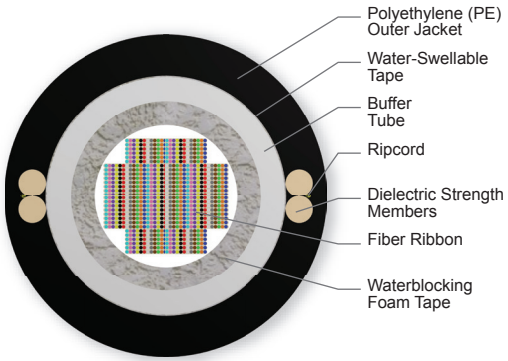

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Specifications

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	265 kg/km (178 lb/1000 ft)	14.0 mm (0.55 in)	20.3 mm (0.80 in)	305 mm (12.0 in)	203 mm (8.0 in)
360	280 kg/km (188 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)
432	274 kg/km (184 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)
576	330 kg/km (221 lb/1000 ft)	18.0 mm (0.71 in)	23.4 mm (0.92 in)	351 mm (13.8 in)	234 mm (9.2 in)

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Fiber Count	Weight	Buffer Tube Diameter	Nominal Outer Diameter	Min. Bend Radius Installation	Min. Bend Radius Operation
720	345 kg/km (232 lb/1000 ft)	18.0 mm (0.71 in)	23.4 mm (0.92 in)	351 mm (13.8 in)	234 mm (9.2 in)
864	353 kg/km (244 lb/1000 ft)	18.0 mm (0.71 in)	23.4 mm (0.92 in)	351 mm (13.8 in)	234 mm (9.2 in)

Chemical Characteristics	
RoHS	Free of hazardous substances according to RoHS 2011/65/EU

Transmission Performance

Single-mode				
Typical Attenuation* (dB/km)	-	-	-	0.32/0.32/0.18
Fiber Name	Single-mode (OS2)	Single-mode (OS2)	SMF-28® Ultra fiber	SMF-28e+® LL
Fiber Category	G.652.D	G.652.D	G.657.A1	G.652.D
Fiber Code	E	E	Z	L
Performance Option Code	00	01	00	22
Wavelengths (nm)	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	0.35/0.35/0.25	0.34/0.34/0.22

** For more information on typical attenuation please see the Corning whitepaper at http://csmedia.corning.com/opcomm//Resource_Documents/whitepapers_rl/LAN-1863-AEN.pdf*

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

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

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.
4 = Dielectric

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

RoHS COMPLIANT

Corning Optical Communications LLC • 4200 Corning Place • Charlotte, NC 28216 USA
800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • www.corning.com/opcomm

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