

# SST-Ribbon™ Gel-Free Cables

An Evolant®  
Solutions Product

## features and benefits |

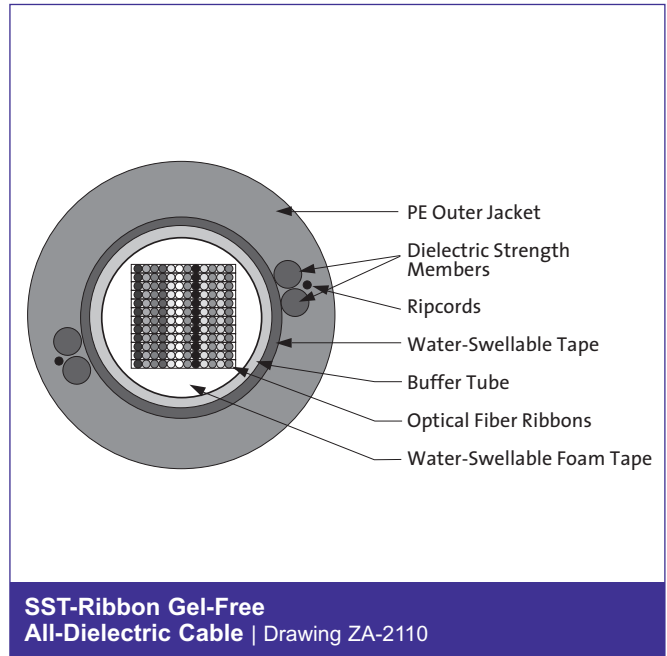
### Completely gel-free design

No messy filling or flooding compounds, eliminating time and labor associated with cleaning ribbons, keeping work and splicing areas cleaner and simplifying splice preparation

### Patented enhanced coupling

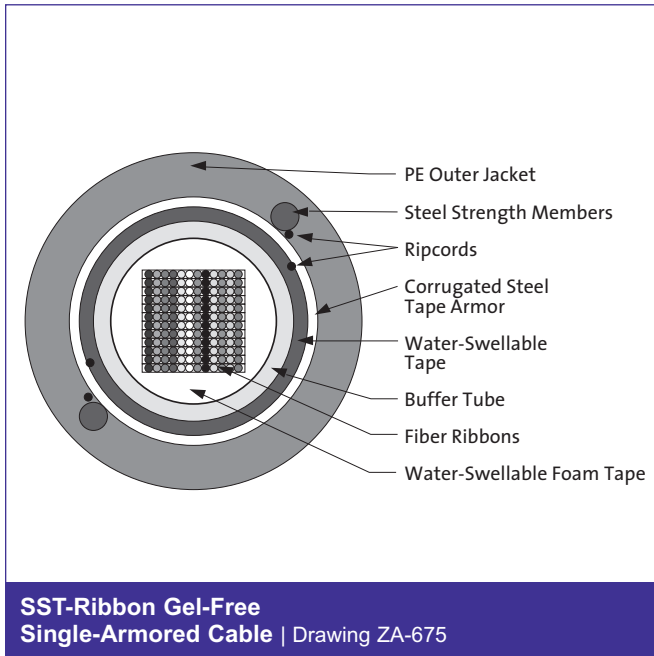
Ensure the ribbon stack and cable act as one unit, providing long-term reliability in aerial, duct and direct-buried applications and minimizing ribbon movement in situations where cable vibration may occur

Corning Cable Systems SST-Ribbon™ Gel-Free Cables represent a truly innovative breakthrough in outside plant cable technology and introduce a new generation of totally dry (gel-free) cables. The cable consists of a single buffer tube that contains a stack of up to eighteen 12-fiber ribbons wrapped within a water-swappable foam tape. This central buffer tube is surrounded by a second water-swappable tape. Dielectric or steel strength members located 180 degrees apart under the cable jacket provide tensile and anti-buckling strength. All fiber counts and jacket options will easily fit in 1 inch inner diameter or larger inner duct. The cable provides up to 216 fibers in a compact, rugged design, compatible with standard ribbon cable procedures, hardware and 12-fiber ribbons with readily identifiable ribbon IDs and fiber colors. The cable is jacketed with a black UV-resistant polyethylene sheath. Armored cables include a copolymer-coated corrugated steel tape armor layer.



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## specifications |

<b>Maximum Tensile Loads</b>	Short-Term: 2700 N (600 lbf) Long-Term: 890 N (200 lbf)
<b>Temperatures</b>	Storage: -40° to +70°C (-40° to +158°F) Installation: -30° to +70°C (-22° to +158°F) Operating: -40° to +70°C (-40° to +158°F)
<b>Common Installation</b>	Outdoor aerial, duct and direct-buried; indoor when installed according to National Electrical Code® (NEC®) Article 770
<b>Design and Test Criteria</b>	ANSI/ICEA S-87-640
<b>Approvals and Listings</b>	RDUP PE-90 listed



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## specifications | (continued)

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)
<b>All-Dielectric</b>					
24	143 (96)	8.6 (0.34)	14.3 (0.56)	21.5 (8.4)	14.3 (5.6)
48	152 (102)	8.9 (0.35)	14.7 (0.58)	22.05 (8.7)	14.7 (5.8)
72	161 (108)	9.6 (0.38)	15.2 (0.60)	22.8 (9.0)	15.2 (6.0)
96	163 (109)	9.6 (0.38)	15.2 (0.60)	22.8 (9.0)	15.2 (6.0)
144	193 (130)	10.6 (0.42)	16.7 (0.66)	25.05 (9.9)	16.7 (6.6)
216	219 (147)	12.3 (0.48)	18.1 (0.71)	27.15 (10.7)	18.1 (7.1)
<b>Armored</b>					
24	210 (141)	8.6 (0.34)	15.8 (0.62)	23.7 (9.3)	15.8 (6.2)
48	230 (154)	8.9 (0.35)	16.6 (0.65)	24.9 (9.8)	16.6 (6.5)
72	245 (164)	9.6 (0.38)	17.0 (0.67)	25.5 (10.0)	17.0 (6.7)
96	248 (167)	9.6 (0.38)	17.0 (0.67)	25.5 (10.0)	17.0 (6.7)
144	269 (181)	10.6 (0.42)	18.0 (0.71)	27.0 (10.6)	18.0 (7.1)
216	305 (205)	12.3 (0.48)	19.4 (0.76)	29.1 (11.5)	19.4 (7.6)

\* Actual diameter may vary by ±5%.

## transmission performance |

Performance Option Code	01	00
Optical Fiber Type (µm)	Single-mode (1)	Single-mode (1)
Wavelength (nm)	1310/1383/1550	1310/1383/1550
Maximum Attenuation (dB/km)	0.4/0.4/0.3	0.35/0.35/0.25
Minimum LED Bandwidth (MHz•km)	- / - / -	- / - / -
Minimum Effective Modal Bandwidth (EMB) (MHz•km)	- / - / -	- / - / -
Serial 1 Gigabit Ethernet distance (m)	5000/5000/ -	5000/5000/ -
Serial 10 Gigabit Ethernet distance (m)	10000/10000/40000	10000/10000/40000

(1) ITU 652.D compliant.

Improved attenuation and bandwidth options available.

Bend-insensitive single-mode fibers available on request.

Contact Corning Cable Systems Customer Service Representative for additional information.



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ordering information | Contact Customer Service at 800-743-2671 for other options.

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

**|1-3**  
Select fiber count.  
024    072    144  
048    096    216

**|6**  
Select cable type.  
4 = All-Dielectric  
5 = Armored

**|8**  
Defines length markings.  
4 = Markings in feet  
(standard)

**|10-11**  
Select performance option code (see Transmission Performance table).

**|4**  
Defines fiber type.  
E = Single-mode

**|7**  
Defines fiber placement.  
1 = Standard for ribbon cables

**|9**  
Defines tensile strength.  
1 = 2700 N, standard

**|13-14**  
Defines special requirements.  
53 = Standard jacket print

**|5 / 12**  
Defines cable design.  
C/D = SST-Ribbon™  
Gel-Free Cable

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