

SST-Ribbon Single-Tube, Gel-Free Cable 72 F, Bend-improved Single-mode (OS2)

CORNING

Part Number:
072ZC4-14100D53

Corning SST-Ribbon gel-free cables represent a truly innovative breakthrough in outside plant cable technology. Providing up to 216 fibers in a 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 12-fiber ribbons wrapped within a water-swellable foam tape and surrounded by a second water-swellable tape. Dielectric 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. The 12-fiber ribbons have readily identifiable ribbon IDs and fiber colors and geometries that result in excellent mass-splicing yields.

Features and Benefits

Gel-free waterblocking technology

Craft-friendly cable preparation

Innovative waterblocking technology

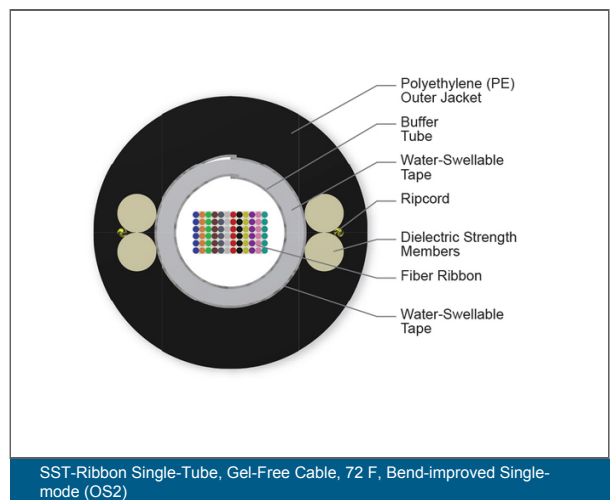
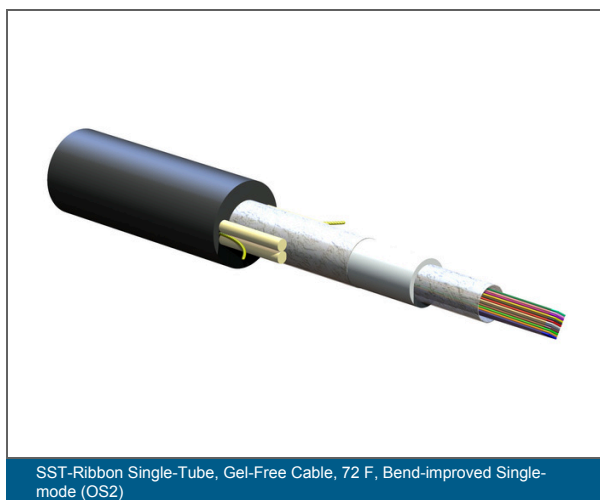
Prevents water penetration

12-fiber ribbons with ribbon IDs

Easy identification

Up to 216 fibers in a compact design

Easily fits in 1.0 inch inner diameter duct



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Specifications

General Specifications

Cable Type	Ribbon
Environment	Outdoor
Product Type	Dielectric
Fiber Category	SMF-28® Ultra fiber
Application	Duct, Aerial
Fiber Count	72
Cable geometry	Round

Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Common Installations	Outdoor lashed aerial and duct, indoor when installed according to National Electrical Code® (NEC®) Article 770
Design and Test Criteria	ANSI/ICEA S-87-640, Telcordia GR-20, RDUP PE-90

Environmental Conditions

Temperature Range, Installation	-30 °C to 70 °C (-22 °F to 158 °F)
Temperature Range, Operation	-40 °C to 70 °C (-40 °F to 158 °F)
Temperature Range, Storage	-40 °C to 70 °C (-40 °F to 158 °F)

Cable Design

Buffer Tube Color	Natural
Fiber Count	72
Buffer Tube Diameter	6.1 mm (0.24 in)
Number of Ripcords	2
Fiber Coloring	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua

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Cable Design	
Outer Jacket Color	Black
Outer Jacket Material	Polyethylene (PE)
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Tape	Water-swellable
Tape, Layer 1	Water-swellable
Tape, Layer 2	Water-swellable
Ribbons per Tube	6
Fibers per Ribbon	12

Mechanical Specifications	
Max. Tensile Strength, Long-Term	890 N (200.08 lbf)
Max. Tensile Strength, Short-Term	2700 N (606.98 lbf)
Min. Bend Radius Installation	170 mm (6.69 in)
Min. Bend Radius Operation	113 mm (4.45 in)
Nominal Outer Diameter	11.3 mm (0.44 in)
Min. Bend Diameter Operation	226 mm (8.9 in)
Min. Bend Diameter Installation	340 mm (13.39 in)

Optical Characteristics	
Fiber Code	Z
Fiber Name	SMF-28® Ultra fiber
Fiber Type	Single-mode
Performance Option Code	00
Maximum Attenuation	0.35 dB/km / 0.35 dB/km / 0.25 dB/km
Wavelengths	1310 nm / 1383 nm / 1550 nm
Fiber Category	G.652.D/G.657.A1

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Dimensions	
Cable Weight	100 kg/km (67.2 lb/1000 ft)



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