SST-UltraRibbon Single-Tube, Gel-Free, Armored Cable 720 F, Single-mode (OS2)

Part Number:
720EV5-14100D53

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-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.

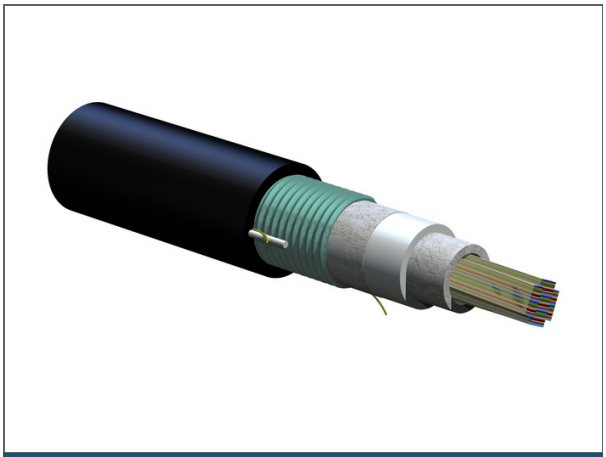
Features and Benefits

Gel-free waterblocking technology
Craft-friendly cable preparation

Innovative waterblocking technology
Provides ribbon to cable coupling

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

Each 12-fiber ribbon individually numbered
Easy identification



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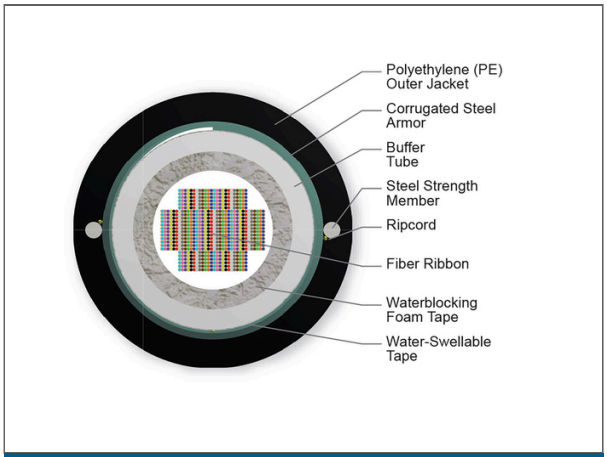

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Specifications

General Specifications	
Installation Methods	Plenum, Horizontal, Riser
Cable Type	Ribbon
Environment	Outdoor
Product Type	Corrugated Steel Armor
Fiber Category	Single-mode (OS2)
Cable geometry	Round

Standards	
RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Common Installations	Outdoor lashed 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, 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	720
Buffer Tube Diameter	18 mm (0.71 in)
Number of Ripcords	3
Fiber Coloring	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Outer Jacket Color	Black

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Cable Design	
Outer Jacket Material	Polyethylene (PE)
Tensile Strength Elements and/or Armoring - Layer 1	Corrugated steel tape armor
Tensile Strength Elements and/or Armoring - Layer 2	Steel strength members
Tape	Waterblocking foam tape
Tape, Layer 1	Water-swellable
Tape, Layer 2	Water-swellable
Ribbons per Tube	12 and 12
Fibers per Ribbon	24 and 36

Mechanical Specifications	
Max. Tensile Strength, Long-Term	890 N (200.08 lbf)
Max. Tensile Strength, Short-Term	2700 N (606.98 lbf)
Nominal Outer Diameter	24.4 mm (0.96 in)
Min. Bend Diameter Operation	488 mm (19.21 in)
Min. Bend Diameter Installation	732 mm (28.82 in)

Optical Characteristics	
Fiber Code	E
Performance Option Code	00
Fiber Category	OS2
Fiber Type	Single-mode (OS2) / 250 µm
Fiber Name	Single-mode (OS2)
Maximum Attenuation	0.35 dB/km / 0.35 dB/km / 0.25 dB/km
Wavelengths	1310 nm / 1383 nm / 1550 nm
Fiber Compliance	ITU-T G.652.D

Dimensions	
Cable Weight	475 kg/km (319.19 lb/1000 ft)

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RoHS COMPLIANT

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