

SST-Drop™ Single-Tube, Gel-Filled Cable 12 F, Single-mode (OS2)

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Part Number: 012EB4-14101A20

Corning SST-Drop™ cables combine the easy installation of standard ALTOS® cables with a single-tube, easy-access design. Available in dielectric and toneable versions, these cables are RDUP (RUS) Listed and deliver exceptional crush resistance, making them ideal for rugged environments and underground installations. The dielectric version eliminates bonding and grounding requirements, while the toneable version features a separable toning conductor and copper element for effortless buried cable detection and clear identification during installation.

Features and Benefits

Flexible, craft-friendly buffer tubes

Facilitate easy routing in closures

Dielectric central strength member

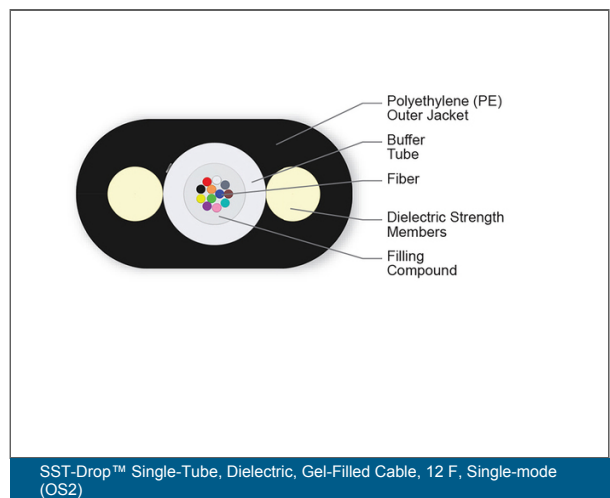
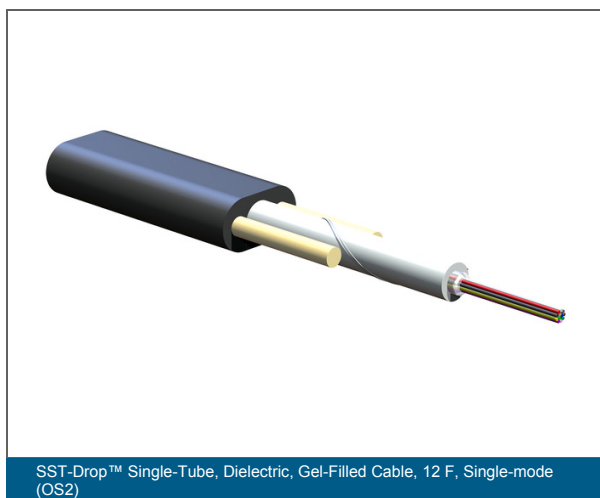
No preferential bend and requires no bonding or grounding

Polyethylene jacket

Rugged, durable and easy to strip (while providing superior protection against UV radiation, fungus, abrasion and other environmental factors)

Toneable

Underground detection



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Specifications

General Specifications

Installation Methods	Aerial, Duct, Drop
Cable Type	Single Tube
Environment	Outdoor
Product Type	Dielectric
Fiber Category	Single-mode (OS2)
Cable geometry	Other

Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Approvals and Listings	USDA Rural Development Programs
Compliance	Not Available

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

Cable Print Unit of Measure	Feet
Fiber Count	12
Outer Jacket Color	Black
Outer Jacket Material	Polyethylene (PE)
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Buffer Tube Diameter	3 mm (0.12 in)
Cable Marking Color	White

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Cable Design

Fiber Coloring	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Fibers per Tube	12
Color Code Standards	Telcordia

Mechanical Specifications

Max. Tensile Strength, Long-Term	400 N (89.92 lbf)
Max. Tensile Strength, Short-Term	1350 N (303.49 lbf)
Min. Bend Radius Operation	80 mm (3.15 in)
Nominal Outer Diameter	8.1 mmx 4.5 mm (0.32 inx 0.18 in)

Optical Characteristics

Fiber Code	E
Performance Option Code	01
Fiber Category	OS2
Fiber Type	Single-mode (OS2) / 250 µm
Fiber Name	Single-mode (OS2)
Maximum Attenuation	0.4 dB/km / 0.4 dB/km / 0.3 dB/km
Wavelengths	1310 nm / 1383 nm / 1550 nm
Fiber Compliance	ITU-T G.652.D

Dimensions

Cable Weight	30.5 kg/km (20.5 lb/1000 ft)
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The Corning logo consists of a solid blue square. Inside the square, the word "CORNING" is written in a white, serif, all-caps font, centered horizontally and vertically.

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