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

Part Number:
012EB1-14101A20

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.

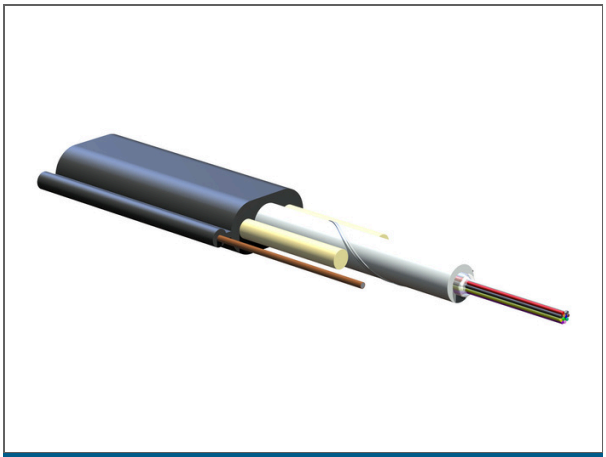
Features and Benefits

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	Direct Buried, Duct, Drop
Cable Type	Single Tube
Environment	Outdoor
Product Type	Toneable
Fiber Category	Single-mode (OS2)
Cable geometry	Other

Standards	
RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Approvals and Listings	Compact Drop Subunit listed to National Electrical Code® (NEC®) OFNR, CSA FT-4
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 with Copper Toning Wire
Buffer Tube Color	Natural
Buffer Tube Diameter	3 mm (0.12 in)

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Cable Design	
Toning Conductor	Copper Wire, AWG 24
Cable Marking Color	White
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	10.2 mmx 4.7 mm (0.4 inx 0.19 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	33.6 kg/km (22.58 lb/1000 ft)

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RoHS COMPLIANT

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