SST-Drop™ Single-Tube, Gel-Filled Cable 1 F, SMF-28® Ultra fiber, Dielectric, Single-mode (OS2)

CORNING

Part Number:
001ZB4-14120A20

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.

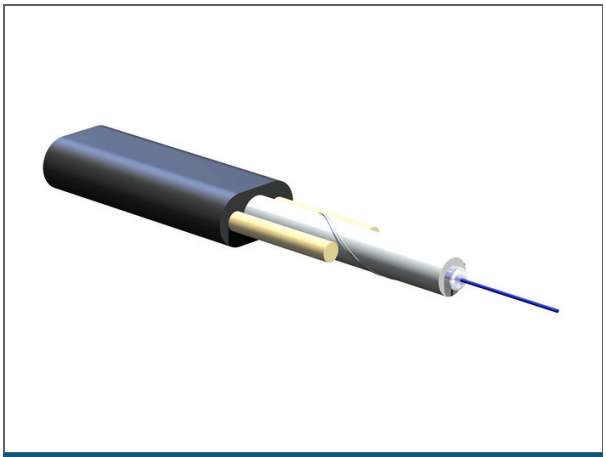
Features and Benefits

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	SMF-28® Ultra
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	1
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
Fiber Coloring	Blue

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Cable Design	
Fibers per Tube	1
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	Z
Performance Option Code	20
Fiber Category	OS2
Fiber Type	Single-mode (OS2) / 250 µm
Fiber Name	Bend-Improved Single-mode (OS2)
Maximum Attenuation	0.34 dB/km / 0.34 dB/km / 0.20 dB/km
Wavelengths	1310 nm / 1383 nm / 1550 nm
Fiber Compliance	ITU-T G.652.D and ITU-T G.657.A1
Fiber Core Diameter	8.2 µm
Cladding diameter	125 µm
Coating diameter	242 µm
Dispersion @ 1550 nm	≤ 18 [ps/(nm*km)]
Dispersion @ 1625 nm	≤ 22 [ps/(nm*km)]
Cable cutoff wavelength	1260 nm
Mode-Field Diameter at 1310 nm	9.2 µm
Mode-Field Diameter at 1550 nm	10.4 µm
PMD Link Design Value	≤ 0.04 ps/√km
PMD maximum individual fiber	≤ 0.1 ps/√km

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Dimensions	
Cable Weight	30.5 kg/km (20.5 lb/1000 ft)

RoHS COMPLIANT

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