

SST-Drop™ Single-Tube, Dielectric, Gel-Filled Cable 4 F, E9/125 SMF-28® ULTRA

CORNING

Part Number:
004ZB4-13120A20

Corning SST -Drop™ dielectric cables offer the ease of installation of standard ALTOS® cables in an easy -access, single -tube design. The dielectric version eliminates any bonding and grounding requirements. Dielectric cables are also available in preconnectorized assemblies.

Features and Benefits

Dielectric design

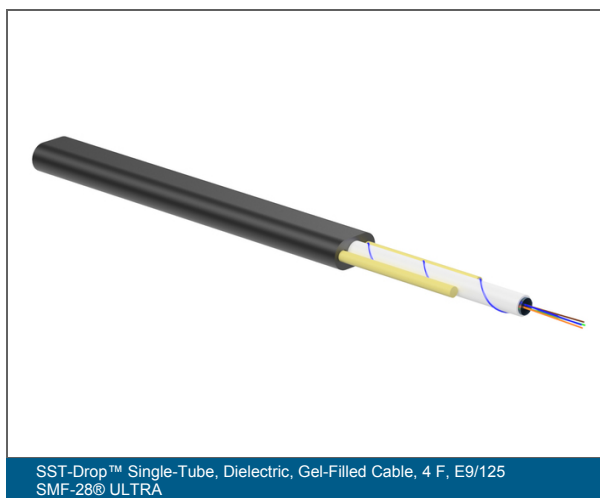
Eliminates bonding

Standard ALTOS® Cable tube design in single-tube design

Standard practices and hardware compatibility

Crush resistance

Fiber protection and signal integrity



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Specifications

General Specifications

Cable Type	Single Tube
Environment	Outdoor
Product Type	Self-Supporting, Figure-8
Fiber Category	SMF-28® Ultra
Application	Aerial, Duct, Drop
Cable geometry	Other

Standards

Reaction to Fire	Fca
RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Waterblocking	IEC 60794-1-22 Method F5B
Level of corrosion	Non-corrosive according to IEC 60754-2

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 Marking	Metre - CORNING -Month/Year - Handset - 4E9ULTRA - ID Number
Central Element	Dielectric
Fiber Count	4
Outer Jacket Color	Black
Outer Jacket Material	Polyethylene (PE)
Buffer Tube Diameter	3 mm

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Cable Design

Cable Marking Color	White
Fiber Coloring	Blue, Orange, Green, Brown
Fibers per Tube	4
Color Code Standards	Telcordia

Mechanical Specifications

Crush Resistance	3000 N/10 cm
Max. Tensile Strength for Installation	1.35 kN
Max. Tensile Strength, Long-Term	400 N
Max. Tensile Strength, Short-Term	1350 N
Min. Bend Radius Operation	80 mm
Nominal Outer Diameter	8.1 mmx 4.5 mm

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

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Optical Characteristics

Mode-Field Diameter at 1310 nm	9.2 μm
Mode-Field Diameter at 1550 nm	10.4 μm
PMD Link Design Value	$\leq 0.04 \text{ ps}/(\text{nm} \cdot \text{km})$
PMD maximum individual fiber	$\leq 0.1 \text{ ps}/(\text{nm} \cdot \text{km})$

Dimensions

Cable Weight	30 kg/km
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