

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



Part Number:
001ZBA-14101A20

Corning SST-Drop™ All-Dielectric Self-Supporting (ADSS) cables offer the ease of installation of standard ALTOS cable in an easy-access, single-tube design. The long-length ADSS version allows pole-to-pole span lengths ranging from 400 feet under NESC heavy ice and wind loading conditions to 500 feet under NESC medium loading. There is no support or messenger wire required, allowing installation to be achieved in a single pass, dramatically reducing installation time and cost while delivering high-speed internet to rural areas. The cables are RDUP (RUS) listed and offer exceptional crush resistance.

Features and Benefits

Standard ALTOS® Cable tube design in single-tube design

Standard practices and hardware compatibility

Crush resistance

Fiber protection and signal integrity

All-dielectric self-supporting

No support or messenger wire required

Compatible with field-installable OptiTap

Strength element easily removed for field terminations

RDUP (RUS) Listed

Material acceptability



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Specifications

General Specifications	
Environment	Outdoor
Cable Type	Drop
Product Type	Self-Supporting
Fiber Category	SMF-28® Ultra fiber
Application	Self-Supporting
Fiber Count	1

Standards	
RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Approvals and Listings	USDA Rural Development Programs
Design and Test Criteria	ANSI/ICEA S-110-717, Telcordia GR-20-CORE

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	
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 Color	Natural
Buffer Tube Diameter	3 mm (0.12 in)
Tensile Strength Elements and/or Armoring	Dielectric strength members

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Cable Design	
Fiber Coloring	Blue
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	135 mm (5.31 in)
Nominal Outer Diameter	12.3 mm x 4.4 mm (0.48 in x 0.17 in)

Optical Characteristics	
Fiber Code	Z
Fiber Name	SMF-28® Ultra fiber
Fiber Type	Single-mode
Performance Option Code	01
Maximum Attenuation	0.4 dB/km / 0.4 dB/km / 0.3 dB/km
Wavelengths	1310 nm / 1383 nm / 1550 nm
Fiber Category	ITU-T G.657.A1

Dimensions	
Cable Weight	525 kg/km (352.78 lb/1000 ft)



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