

SST™ Central Tube Dielectric Armor Outdoor Cable 12F E9 SMF-28e+® ITU G652.D CT 3.0

CORNING

Part Number:
012EEG-13122A20

Corning cables can be employed outdoors for campus backbone.

The loose tube cable construction, by isolating the fibers from installations and environmental rigors, provides stable and highly reliable transmission parameters.

Features and Benefits

Waterblocking technology

Outside Plant (OSP) applications

All-dielectric construction

Requires no grounding or bonding

UV and microbe resistant

Can be directly buried or installed in ducts

Small diameter and bend radius

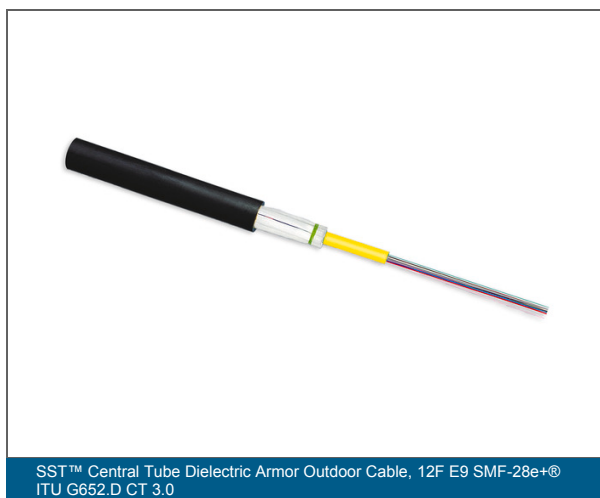
Easy installation in space-constrained areas

Laminated swelling glass yarns

Improved rodent resistance and longitudinal water protection

Fibers color coding to Telcordia-Bellcore

Easy identification of the individual fibers



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Specifications

General Specifications

Cable Type	Single Tube
Environment	Outdoor
Product Type	Dielectric armor
Fiber Category	Single-mode (OS2)
Coding according to EN 60794-1-1 (DIN VDE 0888-100-1)	A-DQ(ZN)B2Y
Application	Duct
Cable geometry	Round

Standards

Fiber Standards	TIA/EIA-492CAAB, IEC 60793-2-50 Type B1.3, ITU-T G.652.D, ISO/IEC 11801 Ed.2.2
RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Waterblocking	IEC 60794-1-2 F5

Environmental Conditions

Temperature Range, Installation	-5 °C to 50 °C (23 °F to 122 °F)
Temperature Range, Operation	-20 °C to 60 °C (-4 °F to 140 °F)
Temperature Range, Storage	-25 °C to 70 °C (-13 °F to 158 °F)

Cable Design

Cable Marking	Meter - Handset - Sine - CORNING - Year -SST (TM) A-DQ(ZN)B2Y 12F E9 CT 3.0
Fiber Count	12
Number of Ripcords	1
Buffer Tube Color Coding, Layer 1	Yellow
Outer Jacket Color	Black
Outer Jacket Material	Linear Low Density Polyethylene (LLDPE)

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Cable Design

Outer Jacket Nominal Thickness	1.2 mm
Tensile Strength Elements and/or Armoring - Layer 1	Laminated swelling glass yarn armor
Buffer Tube Diameter	3 mm
Fiber Coloring	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Fibers per Tube	12
Color Code Standards	Telcordia

Mechanical Specifications

Crush Resistance	1500 N/10 cm
Max. Tensile Strength for Installation	1000 N
Min. Bend Radius Installation	130 mm
Min. Bend Radius Operation	100 mm
Nominal Outer Diameter	6.4 mm

Optical Characteristics

Fiber Code	E
Performance Option Code	22
Fiber Category	OS2
Fiber Type	Single-mode (OS2) / 250 µm
Fiber Name	Single-mode (OS2)
Maximum Attenuation	0.36 dB/km / 0.36 dB/km / 0.22 dB/km
Wavelengths	1310 nm / 1383 nm / 1550 nm
Fiber Compliance	ITU-T G.652.D
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)]

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Optical Characteristics

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	≤ 0.06 ps/√km
PMD maximum individual fiber	≤ 0.1 ps/√km

Dimensions

Cable Weight	34 kg/km
Max. cable length per reel/drum	6000 m



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