

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

CORNING

Part Number:
012EEC-13122A20

Corning central tube cables with corrugated steel armoring are designed for outdoor use for campus, city and intercity backbones in duct and direct burial installations.

The central tube cable construction, by isolating the fibers from installations and environmental rigors, provides stable and highly reliable transmission parameters. The fibers are color coded for quick and easy identification.

The cable construction, based on a central buffer tube, is very compact, light, flexible and ideal for connections requiring a moderate fiber count.

These cables are designed for installation in conduits, ducts and for direct burial.

Features and Benefits

Waterblocking technology

Outside Plant (OSP) applications

UV and microbe resistant

Can be directly buried or installed in ducts

Corrugated steel armoring

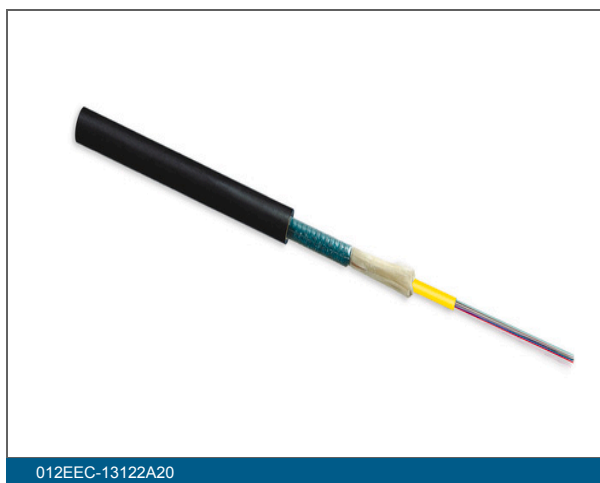
Rodent, mechanical protection and direct buried applications

Small diameter and bend radius

Easy installation in space-constrained areas

Fibers color coding to Telcordia-Bellcore

Easy identification of the individual fibers



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Specifications

Mechanical Specifications

Crush Resistance	2000 N/10 cm
Min. Bend Radius Installation	150 mm
Min. Bend Radius Operation	110 mm
Nominal Outer Diameter	7.5 mm

Cable Design

Cable Marking	Meter - Handset - Sine - CORNING - Year -SST (TM) A-DQ(ZN)(SR)2Y 12F E9 CT 3.0
Fiber Count	12
Number of Ripcords	2
Outer Jacket Color	Black
Outer Jacket Material	Linear Low Density Polyethylene (LLDPE)
Outer Jacket Nominal Thickness	1.5 mm
Tensile Strength Elements and/or Armoring - Layer 1	Corrugated steel tape armor with dielectric strength elements (aramid yarns) and swellable elements
Buffer Tube Diameter	3 mm
Fiber Coloring	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua

Environmental Conditions

Temperature Range, Installation	-5 °C to 50 °C
Temperature Range, Storage	-25 °C to 70 °C
Temperature Range, Operation	-20 °C to 60 °C

General Specifications

Environment	Outdoor
Cable Type	Single Tube

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General Specifications

Product Type	Corrugated Steel Armor
Fiber Category	Single-mode (OS2)
Coding according to EN 60794-1-1 (DIN VDE 0888-100-1)	A-DQ(ZN)(SR)2Y
Application	Direct Buried , Duct

Ordering Information

Weight	60 kg/km
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Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Waterblocking	IEC 60794-1-2 F5

Standards

Fiber Standards	TIA/EIA-492CAAB , IEC 60793-2-50 Type B1.3 , ITU-T G.652.D , ISO/IEC 11801 Ed.2.2
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Optical Characteristics

Cable cutoff wavelength	1260 nm
Fiber Code	E
Fiber Name	E9/125 SMF28e+®
Fiber Type	Single-mode
Fiber Core Diameter	8.2 μm
Maximum Attenuation	0.36 dB/km / 0.36 dB/km / 0.22 dB/km
Serial 1 Gigabit Ethernet	5000 MHz*km / - / -
Serial 10 Gigabit Ethernet	10000 MHz*km / - / 40000 MHz*km
Wavelengths	1310 nm / 1383 nm / 1550 nm
Fiber Category	OS2

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Corning Optical Communications GmbH & Co. KG • Leipziger Strasse 121 • 10117 Berlin, Germany
+00 800 2675 4641 • FAX: +49 30 5303 2335 • www.corning.com/opcomm/emea

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