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

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

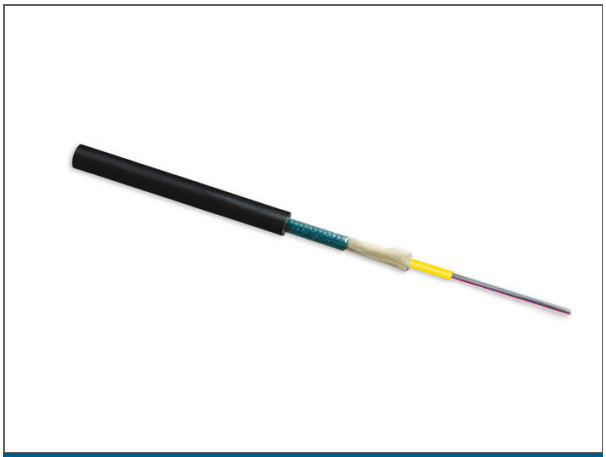
Waterblocking technology
Outside Plant (OSP) applications

UV and microbe resistant
Can be directly buried or installed in ducts

Corrugated steel armouring
Rodent, mechanical protection and direct buried applications

Small diameter and bend radius
Easy installation in space-constrained areas

Fibres colour coding to Telcordia-Bellcore
Easy identification of the individual fibres



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Specifications

General Specifications	
Installation Methods	Direct Buried, Duct
Cable type	Central Tube
Environment	Outdoor
Product type	Corrugated steel armour
Fibre category	Single-mode (OS2)
Coding according to EN 60794-1-1 (DIN VDE 0888-100-1)	A-DQ(ZN)(SR)2Y
Cable geometry	Round

Standards	
Fibre 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
Temperature range, operation	-20 °C to 60 °C
Temperature range, storage	-25 °C to 70 °C

Cable Design	
Cable marking	Metre - Handset - Sine - CORNING - Year -SST (TM) A-DQ(ZN)(SR)2Y 12F E9 CT 3.0
Fibre count	12
Number of ripcords	2
Outer jacket colour	Black
Outer jacket material	Linear Low Density Polyethylene (LLDPE)
Outer jacket nominal thickness	1.5 mm

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CORNING

Cable Design	
Tensile strength elements and/or armouring - Layer 1	Corrugated steel tape armour with dielectric strength elements (aramid yarns) and swellable elements
Buffer tube diameter	3 mm
Fibre colouring	Blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise
Fibres per tube	12

Mechanical Specifications	
Crush resistance	2000 N/10 cm
Max. tensile strength for installation	1000 N
Min. bend radius installation	150 mm
Min. bend radius operation	110 mm
Nominal outer diameter	7.5 mm

Optical Characteristics	
Fibre code	E
Performance option code	22
Fibre category	OS2
Fibre Type	Single-mode (OS2) / 250 µm
Fibre 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
Fibre compliance	ITU-T G.652.D
Fibre 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	≤ 0.06 ps/√km
PMD (Polarization Mode Dispersion) maximum individual fibre	≤ 0.1 ps/√km

Dimensions	
Cable Weight	58 kg/km
Max. cable length per reel/drum	6000 m

RoHS COMPLIANT

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