

SST™ Central Tube Steel Armour Outdoor Cable

4F E9 SMF-28e+® ITU G652.D CT 3.0

CORNING

Corning central tube cables with corrugated steel armouring 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 fibres from installations and environmental rigors, provides stable and highly reliable transmission parameters. The fibres are colour 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 fibre 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

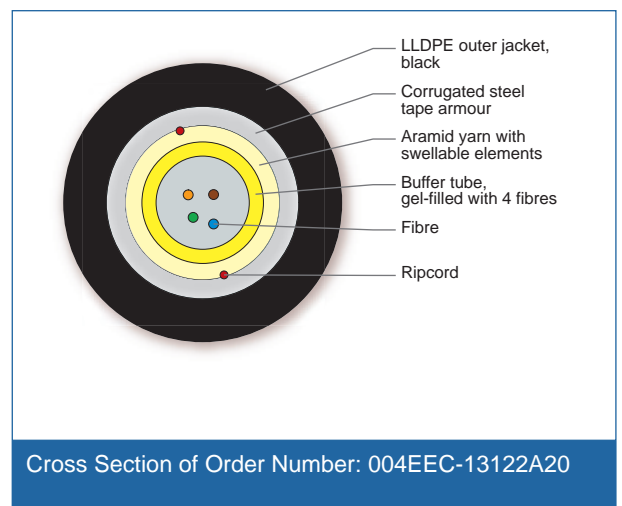
Easy installation in space-constrained areas

Fibres colour coding to Telcordia-Bellcore

Easy identification of the individual fibres

Standards

Waterblocking IEC 60794-1-2 F5



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Specifications

General Specifications	
Environment	Outdoor
Application	Direct Buried, Duct
Cable type	Loose Tube
Product type	Corrugated steel armour
Fibre Category	SM (OS2)
Coding according to EN 60794-1-1 (DIN VDE 0888-100-1)	A-DQ(ZN)(SR)2Y
Previous part number	FWCT01-S0004-U003
Previous coding following DIN VDE 0888-3	A-DQ(ZN)(SR)2Y

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

Cable design	
Fibre Count	4
Fibre colouring	Blue, orange, green, brown
Buffer tube colour	yellow
Buffer tube diameter	3.0 mm
Number of ripcords	2
Tensile Strength Elements and/or Armouring - Layer 1	Corrugated steel tape armour with dielectric strength elements (aramid yarns) and swellable elements
Outer jacket material	Linear Low Density Polyethylene (LLDPE)
Outer jacket colour	black
Outer jacket nominal thickness	1.5 mm
Cable marking method	Hotfoil printing
Cable marking	Metre - Handset - Sine - CORNING - Year - SST (TM) A-DQ(ZN)(SR)2Y 4F E9 CT 3.0

Mechanical Characteristics Cable	
Nominal Outer Diameter	7.5 mm
Weight	60 kg/km
Min. Bend Radius Installation	150 mm

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Mechanical Characteristics Cable

Min. Bend Radius Operation	110 mm
Max. tensile strength for installation	1000 N
Crush resistance (reversible)	2000 N/10 cm
Water penetration (0.1bar/24 h)	≤ 1 m

Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2002/95/EG
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Fibre Specifications

Optical Characteristics (cabled)

Fibre name	E9/125 SMF28e+
Fibre core diameter	8.2 µm
Fibre Category	OS2
Fibre code	E
Wavelengths	1310 nm / 1383 nm / 1550 nm
Maximum attenuation	0.36 dB/km / 0.36 dB/km / 0.22 dB/km
Serial 1 gigabit ethernet	5000 m / - / -
Serial 10 gigabit ethernet	10000 m / - / 40000 m
Cable cutoff wavelength	1260 nm
Standards in compliance	TIA/EIA 492-CAAB IEC 60793-2-50 Type B1.3, ITU-T G.652 D, ISO/IEC 11801 Ed.2.2

Notes: 1) Meets 0.75 ns optical skew when used in all Corning Plug and Play™/EDGE™ systems solutions.
2) Improved attenuation and bandwidth options available
3) Bend-insensitive single-mode fibres available on request.
4) Contact a Corning Customer Care Representative for additional information

Ordering Information

Part Number	004EEC-13122A20
Product Description	SST™ Central Tube Steel Armour Outdoor Cable 4F E9 SMF-28e+® ITU G652.D CT 3.0
EAN Code	4042673580669

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The CORNING logo is a blue square with the word "CORNING" in white, uppercase, sans-serif font centered inside.

Shipping Information

Maximum delivery length	4,000 m
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