

SST™ Central Tube Dielectric Armour Outdoor Cable 24F E9 SMF-28e+® ITU G652.D CT 5.0

CORNING

Part Number:
024EEG-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 cable 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

Fibres colour coding to Telcordia-Bellcore

Easy identification of the individual fibres



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Specifications

Mechanical Specifications

Crush resistance	2500 N/10 cm
Max. tensile strength for installation	1500 N
Min. bend radius installation	180 mm
Min. bend radius operation	135 mm
Nominal outer diameter	9 mm
Water penetration (0.1bar/24 h)	1 m

Cable Design

Cable marking	Metre - Handset - Sine - CORNING - Year -SST (TM) A-DQ(ZN)B2Y 24F E9 CT 5.0
Fibre count	24
Number of ripcords	1
Outer jacket colour	Black
Outer jacket material	Linear Low Density Polyethylene (LLDPE)
Outer jacket nominal thickness	1.2 mm
Tensile strength elements and/or armouring - Layer 1	Laminated glass yarn armour
Buffer tube colour	Yellow
Buffer tube diameter	5 mm
Fibre bundle colouring	Blue, orange
Number of fibre bundles	2
Tape	Water-swellaable
Fibre colouring	Blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise
Fibres per tube	12

Environmental Conditions

Temperature range, installation	-5 °C to 50 °C
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Environmental Conditions

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

General Specifications

Environment	Outdoor
Cable type	Single Tube
Product type	Dielectric armour
Fibre category	Single-mode (OS2)
Coding according to EN 60794-1-1 (DIN VDE 0888-100-1)	A-DQ(ZN)B2Y
Application	Direct Buried, Duct

Ordering Information

Product Number	024EEG-13122A20
EAN Code	4042673191018
Maximum delivery length	6000 m
Weight	63 kg/km

Standards

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

Standards

Fibre 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
Fibre code	E
Fibre name	E9/125 SMF28e+®
Fibre Type	Single-mode
Fibre 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
Fibre category	OS2



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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