

Central Tube Dielectric Armour Indoor/Outdoor Cable 1x12 E9 SMF-28e+® ITU G652.D CT 3.0

CORNING

Part Number:
012EEU-13122A2G

The central tube cable construction, by isolating the fibres from installations and environmental rigors, provides stable and highly reliable transmission parameters. The fibres in are color coded for quick, easy identification. Based on a central buffer tube cable construction, is very compact, light and flexible, and ideal for connections requiring a moderate fibre count. These cables are designed for installation in conduits, ducts and in-house.

Features and Benefits

All-dielectric cable construction

Requires no grounding or bonding

Laminated swelling glass yarns

Improved rodent resistance and longitudinal water protection

UV- and microbe-resistant

Can be installed in ducts or conduits

Small diameter and bend radius

Easy installation in space-constrained areas

Fibres colour coding to Telcordia-Bellcore

Easy identification of the individual fibres

Waterblocking technology

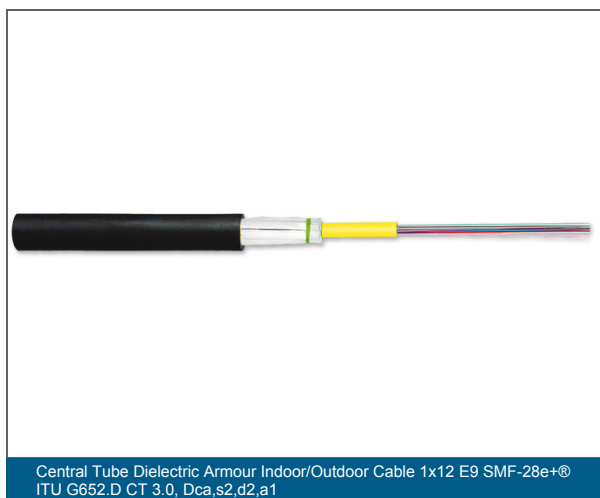
OSP (outdoor) applications

Silicon-free outer jacket

The cable jacket is free of harmful to paint structures

Flame retardant

LSZH/FRNC



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Specifications

General Specifications	
Cable type	Central Tube
Environment	Indoor/Outdoor
Product type	Dielectric armour
Fibre category	Single-mode (OS2)
Flame rating	LSZH/FRNC
Coding according to EN 60794-1-1 (DIN VDE 0888-100-1)	U-DQ(ZN)BH
Application	Duct, General purpose, Horizontal, Vertical Riser
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

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Reaction to Fire	Dca, s2, d2, a1
RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Waterblocking	IEC 60794-1-22 Method F5B
Flame propagation test	Flame retardant according to IEC 60332-1-2 (single cable) and IEC 60332-3-24 (bunch of cables)
Reaction to Fire Requirements	Reaction to fire according to EN 50575 and EN 13501-6
Smoke density	Low Smoke to IEC 61034
Halogen content test	Zero Halogen according to IEC 60754-1
Level of corrosion	Non-corrosive according to IEC 60754-2

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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 - CE 17 EN 50575 Dca,s2,d2,a1 - Sine - CORNING - Fiber Optic Cable - Year - U-DQ(ZN)BH 12 E9 CT 3.0 LSZH(TM)/FRNC
Fibre count	12
Number of ripcords	1
Outer jacket colour	Black
Outer jacket material	Flame-retardant, non-corrosive/low-smoke, zero-halogen (FRNC/LSZH) material
Outer jacket nominal thickness	1.2 mm
Tensile strength elements and/or armouring - Layer 1	Laminated swelling glass yarn armour
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	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	6.6 mm

Optical Characteristics

Cable cutoff wavelength	1260 nm
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Optical Characteristics

Fibre code	E
Fibre name	E9/125 SMF28e+®
Fibre Type	Single-mode
Performance option code	22
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

Dimensions

Cable Weight	46 kg/km
Max. cable length per reel/drum	6000 m



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