

Central Tube Dielectric Armour Indoor/Outdoor Cable 1x8 E9/125 SMF-28® ULTRA CT 3.0



CORNING

Part Number:
008ZEU-13120A2G

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.

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

Environment	Indoor/Outdoor
Cable type	Central Tube
Product type	Dielectric armour
Fibre category	SMF-28® Ultra fibre
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
Fibre count	8

Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Flame Test Method	Flame retardant according to IEC 60332-1-2 (single cable) and EN 50399 (bunch of cables), Reaction to fire according to EN 50575 and EN 13501-6, Low smoke according to IEC 61034 and zero halogen to IEC 60754-1, Non-corrosive according to IEC 60754-2
Waterblocking	IEC 60794-1-2 F5
Flame propagation test	Flame retardant according to IEC 60332-1-2 (single cable)
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 to IEC 60754-1
Level of corrosion	Non-corrosive according to IEC 60754-2

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

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Cable Design	
Cable marking	Metre - Handset - CE 17 EN 50575 Dca,s2,d2,a1 - Sine - CORNING - Fiber Optic Cable - Year - U-DQ(ZN)BH 8 E9ULTRA/125 CT 3.0 LSZH(TM)/FRNC
Fibre count	8
Number of ripcords	1
Outer jacket colour	Black
Outer jacket material	Flame-retardant
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
Cable marking method	Inkjet printing
Fibre colouring	Blue, orange, green, brown, grey, white, red, black

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
Fibre code	Z
Fibre name	SMF-28® Ultra 242 Optical Fibre
Fibre Type	Single-mode
Fibre compliance	ITU-T G.652.D and ITU-T G.657.A1
Cladding diameter	125 µm
Dispersion @ 1550 nm	18 nm

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Optical Characteristics

Maximum Attenuation	0.35 dB/km / 0.21 dB/km
Mode-Field Diameter at 1310 nm	9.2 µm
Serial 1 gigabit ethernet	5000 MHz*km / -
Serial 10 gigabit ethernet	10000 MHz*km / 40000 MHz*km
Typical attenuation	0.32 dB/km / 0.32 dB/km / 0.18 dB/km
Wavelengths	1310 nm / 1383 nm / 1550 nm
PMD Link Design Value	0.04 ps/(nm*km)
PMD (Polarization Mode Dispersion) maximum individual fibre	0.1 ps/(nm*km)
Coating diameter	242 µm

Ordering Information

Product Number	008ZEU-13120A2G
Maximum delivery length	4000 m
Weight	46 kg/km



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