Central Tube Dielectric Armour Indoor/ Outdoor Cable

1x12 E9 SMF-28e+® ITU G652.D CT 3.0

CORNING

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 colour 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.

Part Number: 012EEU-13122A2G

Features and Benefits

All-dielectric cable construction
Requires no grounding or bonding

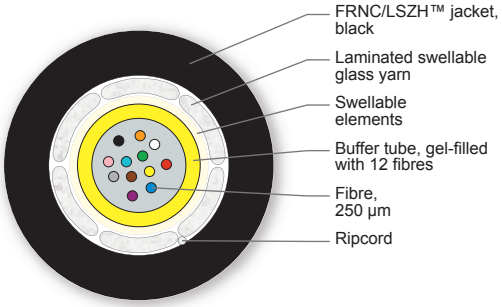
Laminated swelling glass yarns
Improved rodent resistance and longitudinal water protection

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



Cross Section of Order Number: 012EEU-13122A2G

Standards

Flame Test Method	Flame retardant to IEC 60332-1-2 (single cable) Low Smoke to IEC 61034 Zero Halogen to IEC 60754-1 Non Corrosive to IEC 60754-2
Waterblocking	IEC 60794-1-2 F5

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Specifications

General Specifications	
Environment	Indoor / Outdoor
Application	Duct, Vertical Riser, General Purpose Horizontal
Cable Type	Loose Tube
Product Type	Dielectric armour
Flame Rating	LSZH™/FRNC
Fibre Category	SM (OS2)
Coding according to EN 60794-1-1 (DIN VDE 0888-100-1)	U-DQ(ZN)BH
Previous Part Number	LCXLM1-D0012-U700
Previous coding following DIN VDE 0888-3	A-DQ(BN)H

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	12
Fibre colouring	Blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise
Buffer tube diameter	3 mm
Buffer tube colour	Yellow
Tensile Strength Elements and/or Armouring - Layer 1	Laminated swelling glass yarn armour
Number of Ripcords	1
Outer Jacket Material	Flame-retardant, non-corrosive / low-smoke, zero-halogen (FRNC / LSZH) material
Outer Jacket Colour	Black
Outer Jacket Nominal Thickness	1.2 mm
Cable Marking	Meter Handset Sine CORNING Fibre Optic Cable Year U-DQ(ZN)BH 12 E9 CT 3.0 LSZH™/ FRNC

Mechanical Characteristics Cable	
Nominal Outer Diameter	6.6 mm
Weight	46 kg/km

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Mechanical Characteristics Cable	
Min. Bend Radius Installation	130 mm
Min. Bend Radius Operation	100 mm
Max. Tensile Strength for Installation	1000 N
Crush Resistance (reversible)	1500 N/10cm
Fire Load	0.94 MJ/m

Chemical characteristics	
RoHS	Free of hazardous substances according to RoHS 2002/95/EG

Fibre Specifications

Optical Characteristics (cabled)	
Fibre Name	E9/125 SMF28e+
Fibre Core Diameter	8.2 µm
Fibre Category	OS2
Fibre Code	U
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

Notes: 1) *Meets 0.75 ns optical skew when used in all Corning Plug and Play™/Pretium 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	012EEU-13122A2G
Product Description	Central Tube Dielectric Armour Indoor/Outdoor Cable 1x12 E9 SMF-28e+® ITU G652.D CT 3.0
EAN Code	4042673562689

Shipping Information

Maximum Delivery Length	6,000 m

Notes

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