

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

CORNING

Part Number:
012EEY-13122H2G

Corning MPC (multipurpose cable) central tube cables with corrugated steel armoring are flame-retardant, indoor/outdoor cables designed for interbuilding and intrabuilding backbones in duct, direct burial and riser applications.

The central tube cable construction, by isolating the fibers from installations and environmental rigors, provides stable and highly reliable transmission parameters. The fibers are color coded for quick, easy identification.

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

These cables are designed for installation in conduits, ducts, direct burial and in-house.

Features and Benefits

Waterblocking technology

OSP (outdoor) applications

UV- and microbe-resistant

Can be installed in ducts or conduits

Corrugated steel armoring

Rodent, mechanical protection and direct buried applications

Small diameter and bend radius

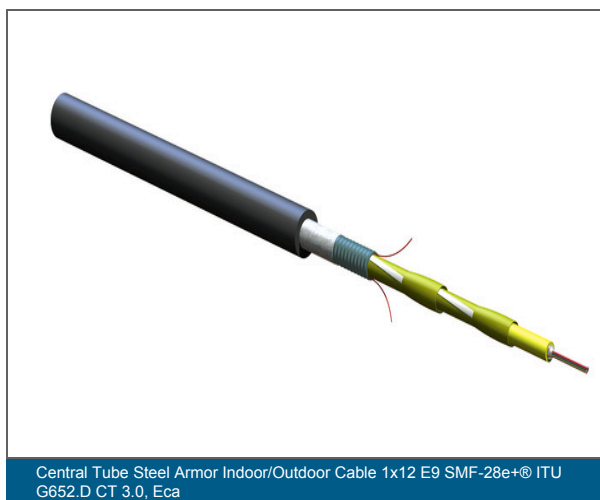
Easy installation in space-constrained areas

Fibers color coding to Telcordia-Bellcore

Easy identification of the individual fibers

Flame retardant

LSZHTM/FRNC



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Specifications

Mechanical Specifications

Crush Resistance	2000 N/10 cm
Min. Bend Radius Installation	150 mm
Min. Bend Radius Operation	110 mm
Nominal Outer Diameter	7.5 mm
Fire Load	1.16 MJ/m

Cable Design

Cable Marking	Meter - Handset - CE 17 EN 50575 Eca - Sine - CORNING - Fiber Optic Cable - Year - U-DQ(ZN)(SR)H 12 E9 CT 3.0 LSZH(TM)/FRNC
Fiber Count	12
Number of Ripcords	2
Outer Jacket Color	Black
Outer Jacket Material	Flame-retardant, non-corrosive/low-smoke, zero-halogen (FRNC/LSZH) material
Outer Jacket Nominal Thickness	1.5 mm
Tensile Strength Elements and/or Armoring - Layer 1	Aramid yarn with swellable elements
Buffer Tube Diameter	3 mm
Buffer Tube Water Blocking	Thixotropic Gel
Fiber Coloring	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua

Environmental Conditions

Temperature Range, Installation	-5 °C to 50 °C
Temperature Range, Storage	-40 °C to 75 °C
Temperature Range, Operation	-30 °C to 75 °C
Temperature Range, Storage (Stored on drum with original packing)	-40 °C to 75 °C

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General Specifications

Environment	Indoor/Outdoor
Cable Type	Single Tube
Product Type	Corrugated Steel Armor
Fiber Category	Single-mode (OS2)
Flame Rating	LSZH™/FRNC
Coding according to EN 60794-1-1 (DIN VDE 0888-100-1)	U-DQ(ZN)(SR)H
Application	Direct Buried, Duct, Vertical Riser, General Purpose Horizontal

Ordering Information

Product Number	012EEY-13122H2G
EAN Code	4042673603627
Weight	76 kg/km

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) 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

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Standards

Reaction to fire	Eca
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Standards

Fiber 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
Fiber Code	E
Fiber Name	E9/125 SMF28e+®
Fiber Type	Single-mode
Fiber 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
Fiber Category	OS2



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