Central Tube Steel Armour Indoor/Outdoor Cable 1x6 E9 SMF-28e+® ITU G652.D CT 3.0

CORNING

Part Number:
006EEY-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 armouring
Rodent, mechanical protection and direct buried applications
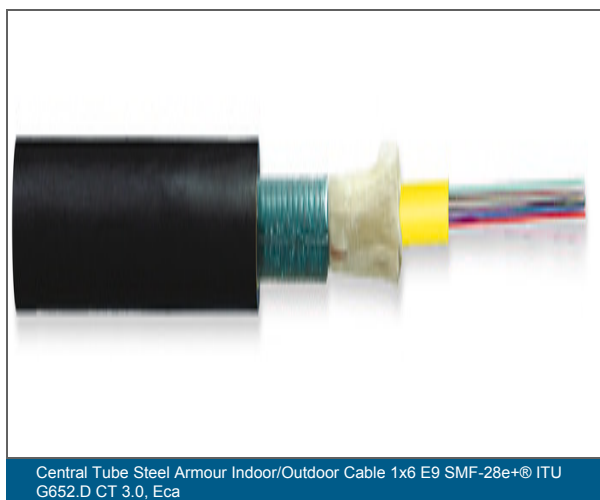
Small diameter and bend radius
Easy installation in space-constrained areas

Fibres colour coding to Telcordia-Bellcore
Easy identification of the individual fibres

Flame retardant
LSZH™/FRNC

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Specifications

Mechanical Specifications

Crush resistance	2000 N/10 cm
Max. tensile strength for installation	1000 N
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	Metre - Handset - CE 17 EN 50575 Eca - Sine - CORNING - Fiber Optic Cable - Year - U-DQ(ZN)(SR)H 6 E9 CT 3.0 LSZH(TM)/FRNC
Fibre count	6
Number of ripcords	2
Outer jacket colour	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 armouring - Layer 1	Aramid yarn with swellable elements
Tensile strength elements and/or armouring - Layer 2	Corrugated steel tape armour with water-swellable tape
Buffer tube diameter	3 mm
Buffer tube water blocking	Thixotropic gel
Fibre colouring	Blue, orange, green, brown, grey, white

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

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Environmental Conditions

Temperature range, storage (stored on drum with original packing)	-40 °C to 75 °C

General Specifications

Environment	Indoor/Outdoor
Cable type	Single Tube
Product type	Corrugated steel 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)(SR)H
Application	Direct Buried, Duct, Vertical Riser, General Purpose Horizontal

Ordering Information

Product Number	006EEY-13122H2G
EAN Code	4042673633617
Maximum delivery length	6000 m
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

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Standards

Halogen content test	Zero Halogen to IEC 60754-1
Level of corrosion	Non-corrosive according to IEC 60754-2
Reaction to fire	Eca

Standards

Fibre Standards	TIA/EIA-492CAAB, IEC 60793-2-50 Type B1.3, ITU-T G.652.D, ISO/IEC 11801 Ed.2.2

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

RoHS COMPLIANT