

# 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.

## 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

## Standards

### Flame Test Method

Flame retardant to IEC  
60332-1-2 (single cable)

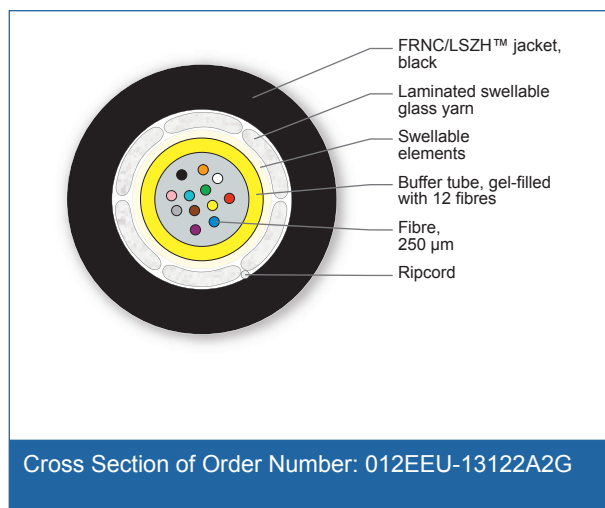
Low Smoke to IEC 61034

Zero Halogen to IEC  
60754-1

Non Corrosive to IEC  
60754-2

### Waterblocking

IEC 60794-1-2 F5



# Central Tube Dielectric Armour Indoor/ Outdoor Cable

1x12 E9 SMF-28e+® ITU G652.D CT 3.0

CORNING

## 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

# Central Tube Dielectric Armour Indoor/ Outdoor Cable

1x12 E9 SMF-28e+® ITU G652.D CT 3.0

CORNING

## 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/10 cm
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	E
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
-------------------------	---------

# Central Tube Dielectric Armour Indoor/ Outdoor Cable

1x12 E9 SMF-28e+® ITU G652.D CT 3.0

The logo consists of a solid blue square with the word "CORNING" written in white, uppercase, sans-serif font in the center.

## Notes



**Corning Optical Communications GmbH & Co. KG · Leipziger Strasse 121 · 10117 Berlin, GERMANY  
00 800 2676 4641 · FAX: +49 30 5303 2335 · [www.corning.com/opcomm/emea](http://www.corning.com/opcomm/emea)**

A complete listing of the trademarks of Corning Optical Communications is available at [www.corning.com/opcomm/emea/trademarks](http://www.corning.com/opcomm/emea/trademarks). Corning Optical Communications is ISO 9001 and ISO 14001 certified. © 2014 Corning Optical Communications. All rights reserved.