

# Central Tube Dielectric Armor 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 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 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

### Fibers color coding to Telcordia-Bellcore

Easy identification of the individual fibers

### 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

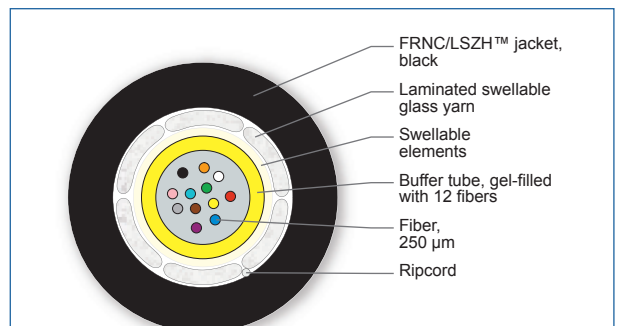
Non Corrosive to IEC  
60754-2

### Waterblocking

IEC 60794-1-2 F5



Part Number: 012EEU-13122A2G



Cross Section of Part Number: 012EEU-13122A2G

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## Specifications

General Specifications	
Environment	Indoor/Outdoor Cables
Application	Duct, Vertical Riser, General Purpose Horizontal
Cable Type	Single Tube
Product Type	Dielectric armor
Flame Rating	LSZH™/FRNC
Fiber 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	-5 °C to 50 °C
Operation	-20 °C to 60 °C
Storage	-25 °C to 70 °C

Cable Design	
Fiber Count	12
Fiber Coloring	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Buffer Tube Diameter	3 mm
Buffer Tube Color	Yellow
Tensile Strength Elements and/or Armoring - Layer 1	Laminated swelling glass yarn armor
Number of Ripcords	1
Outer Jacket Material	Flame-retardant, non-corrosive/low-smoke, zero-halogen (FRNC/LSZH) material
Outer Jacket Color	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	1500 N/10 cm
Fire Load	0.94 MJ/m

## Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
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## Ordering Information

Part Number	012EEU-13122A2G
Product Description	Central Tube Dielectric Armor Indoor/Outdoor Cable 1x12 E9 SMF-28e+® ITU G652.D CT 3.0
EAN Code	4042673582465

## Shipping Information

Maximum Delivery Length	6,000 m
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