

Central Tube Dielectric Armor Indoor/Outdoor Cable Central Tube Dielectric Armor Indoor/ Outdoor Cable

CORNING

Part Number:
004EEU-13122A2G

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

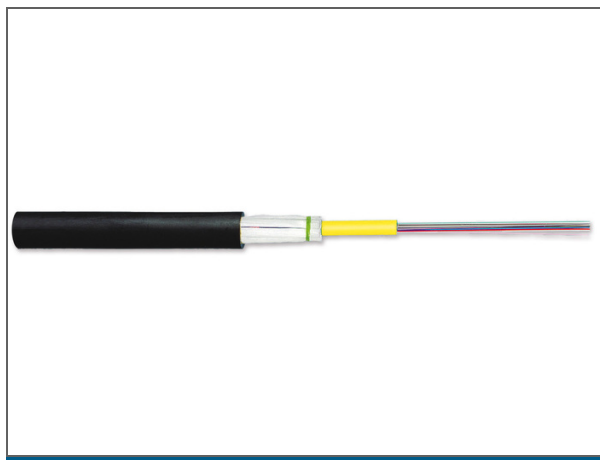
OSP (outdoor) applications

Silicon-free outer jacket

The cable jacket is free of harmful to paint structures

Flame retardant

LSZH™/FRNC



Central Tube Dielectric Armor Indoor/Outdoor Cable

CORNING

Specifications

General Specifications

Environment	Indoor/Outdoor
Cable Type	Single Tube
Product Type	Dielectric 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)BH
Application	Duct, Vertical Riser, General Purpose Horizontal

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

Standards

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

Environmental Conditions

Temperature Range, Installation	-5 °C to 50 °C
---------------------------------	----------------

Central Tube Dielectric Armor Indoor/Outdoor Cable

Central Tube Dielectric Armor Indoor/Outdoor Cable

CORNING

Environmental Conditions

Temperature Range, Storage	-25 °C to 70 °C
Temperature Range, Operation	-20 °C to 60 °C

Cable Design

Cable Marking	Meter - Handset - CE 17 EN 50575 Dca,s2,d2,a1 - Sine - CORNING - Fiber Optic Cable - Year - U-DQ(ZN)BH 4 E9 CT 3.0 LSZH(TM)/FRNC
Fiber Count	4
Number of Ripcords	1
Outer Jacket Color	Black
Outer Jacket Material	Flame-retardant, non-corrosive/low-smoke, zero-halogen (FRNC/LSZH) material
Outer Jacket Nominal Thickness	1.2 mm
Tensile Strength Elements and/or Armoring - Layer 1	Laminated swelling glass yarn armor
Buffer Tube Diameter	3 mm
Fiber Coloring	Blue, Orange, Green, Brown

Mechanical Specifications

Crush Resistance	1500 N/10 cm
Fire Load	0.94 MJ/m
Max. Tensile Strength for Installation	1000 N
Min. Bend Radius Installation	130 mm
Min. Bend Radius Operation	100 mm
Nominal Outer Diameter	6.6 mm

Optical Characteristics

Cable cutoff wavelength	1260 nm
Fiber Code	E

Central Tube Dielectric Armor Indoor/Outdoor Cable

CORNING

Optical Characteristics

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

Ordering Information

Product Number	004EEU-13122A2G
EAN Code	4056418100661
Maximum Delivery Length	6000 m
Weight	46 kg/km



Corning Optical Communications GmbH & Co. KG • Leipzig Strasse 121 • 10117 Berlin, Germany
+00 800 2675 4641 • FAX: +49 30 5303 2335 • www.corning.com/opcomm/emea

A complete listing of the trademarks of Corning Optical Communications is available at www.corning.com/opcomm/emea/trademarks. Corning Optical Communications is ISO 9001 and ISO 14001 certified. © 2023 Corning Optical Communications. All rights reserved.