Loose Tube Dielectric Armour Indoor/Outdoor Cable 4x12 E9 SMF-28e+® ITU G652.D LT 2.3

Part Number:
048ERU-T3122A2G

Corning MPC (multipurpose cable) stranded loose tube cables are flame-retardant, indoor/outdoor cables designed for interbuilding and intrabuilding backbones in duct and riser applications.

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

The SZ-stranded construction further reduces installation and environmental influences on the transmission parameters and allows mid-span access.

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

Features and Benefits

All-dielectric cable construction
Requires no grounding or bonding

UV- and microbe-resistant
Can be installed in ducts or conduits

Waterblocking technology
OSP (outdoor) applications

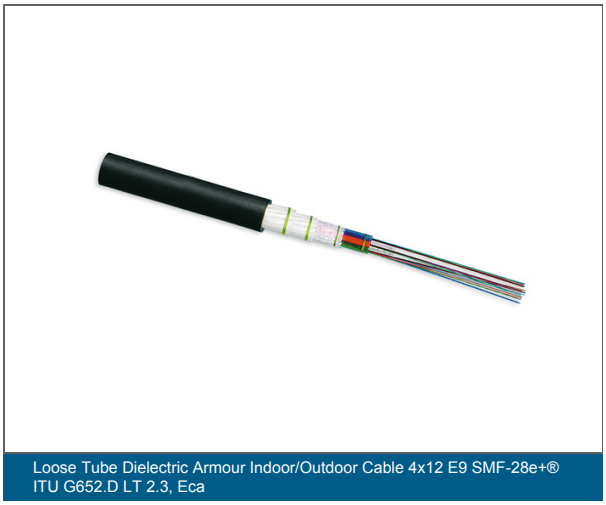
Dry core
Allows efficient and craft-friendly cable preparation in outdoor or indoor/outdoor applications

Laminated glass yarns
For improved rodent resistance

Fibres/buffer tubes colour coded to Telcordia-Bellcore
Easy identification of the individual tubes and fibres

Silicon-free outer jacket
The cable jacket is free of harmful to paint structures

Flame retardant
LSZH™/FRNC



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Specifications

General Specifications	
Environment	Indoor/Outdoor
Cable type	Loose tube
Product type	Dielectric 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)BH
Application	Duct, Vertical Riser, General Purpose Horizontal

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

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
Reaction to fire	Eca

Environmental Conditions	
Temperature range, installation	-5 °C to 50 °C
Temperature range, operation	-30 °C to 70 °C
Temperature range, storage	-40 °C to 70 °C

Cable Design	
Cable marking	Metre - Handset - CE 17 EN 50575 Eca - Sine - CORNING - Fiber Optic Cable - Year - U-DQ(ZN)BH 48 E9 LT 2.3 LSZH(TM)/FRNC
Central element	Dielectric
Fibre count	48
Buffer tube colour coding	Blue, orange, green, brown
Number of ripcords	1
Outer jacket colour	Black
Outer jacket material	Flame-retardant, non-corrosive/low-smoke, zero-halogen (FRNC/LSZH) material
Outer jacket nominal thickness	

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Mechanical Specifications	
Crush resistance	2000 N/10 cm
Max. tensile strength for installation	4000 N
Min. bend radius installation	215 mm
Min. bend radius operation	160 mm
Nominal outer diameter	10.9 mm

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

Ordering Information	
Product Number	048ERU-T3122A2G
EAN Code	4042673306191
Maximum delivery length	6000 m
Weight	117 kg/km

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