ALTOS® Loose Tube Dielectric Armor Outdoor Cable LT 2.0 HDPE 8x12 E9 SMF-28e+® ITU G652.D

Part Number:
096EPG-T3122P20

Corning glass-yarn armored loose tube cables are designed for outdoor use for campus, city and intercity backbones in duct installations.
The loose -tube cable construction, by isolating the fibres from installations and environmental rigors, provides stable and highly reliable transmission parameters. The 2.0 mm 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 slim and lightweight cables are designed with a 1.1mm HDPE outher jacket for easy installation in conduits and ducts.

Features and Benefits

Laminated glass yarns
Improved rodent resistance

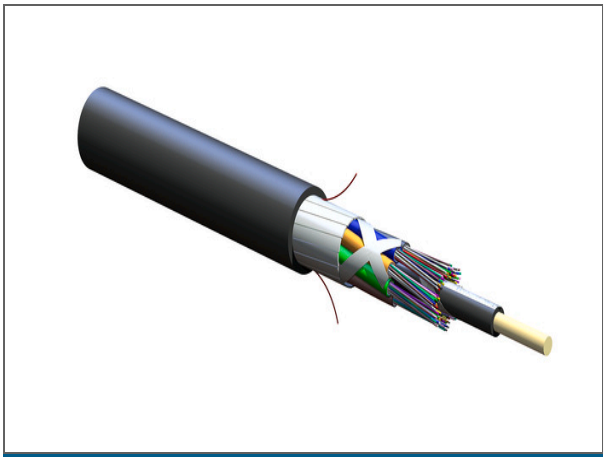
All-dielectric construction
Requires no grounding or bonding

UV and microbe resistant
Can be installed in ducts

Waterblocking technology
OSP (outdoor) applications

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

Dry cable core by means of water-swellable tape and elements
Allows efficient and craft-friendly cable preparation in outdoor or indoor/outdoor applications



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Specifications

Mechanical Specifications	
Crush Resistance	1500 N/10 cm
Min. Bend Radius Installation	198 mm
Min. Bend Radius Operation	99 mm
Nominal Outer Diameter	9.9 mm

Cable Design	
Cable Marking	Meter - Handset - Sine - CORNING - Year - ALTOS (R) A-DQ(ZN)B2Y 8X12 E9 LT 2.0
Central Element	Jacketed GRP
Fiber Count	96
Number of Ripcords	2
Buffer Tube Color Coding, Layer 1	Blue, Orange, Green, Brown, Slate, White, Red, Black
Outer Jacket Color	Black
Outer Jacket Material	High Density Polyethylene (HDPE)
Outer Jacket Minimum Thickness	1.1 mm
Buffer Tube Color	Blue, Orange, Green, Brown, Slate, White, Red, Black
Buffer Tube Diameter	2 mm
Central Element Diameter	3.3 mm
Number of Active Tubes	8
Number of Tube Positions	8
Tape, Layer 1	Water-swellable
Tensile Strength Elements and/or Armoring	Laminated glass yarn armor
Fiber Coloring	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Fibers per Tube	12

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Environmental Conditions	
Temperature Range, Installation	-5 °C to 70 °C
Temperature Range, Operation	-30 °C to 70 °C
Temperature Range, Storage	-40 °C to 70 °C

General Specifications	
Environment	Outdoor
Cable Type	Loose Tube
Product Type	Dielectric armor
Fiber Category	Single-mode (OS2)
Coding according to EN 60794-1-1 (DIN VDE 0888-100-1)	A-DQ(ZN)B2Y
Application	Duct

Ordering Information	
Product Number	096EPG-T3122P20
Weight	80 kg/km

Standards	
RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Approvals and Listings	IEC 60794-3-10
Waterblocking	IEC 60794-1-2 F5

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

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Optical Characteristics	
Cable cutoff wavelength	1260 nm
Fiber Code	E
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

RoHS COMPLIANT

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