

ALTOS® Loose Tube Dielectric Armor Outdoor Cable LT 2.3 16x12 E9 SMF-28e+® ITU G652.D



Part Number:
192ERG-T3122A20

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 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 and ducts.

Features and Benefits

Waterblocking technology

Outside Plant (OSP) applications

All-dielectric construction

Requires no grounding or bonding

UV and microbe resistant

Can be installed in ducts

Dry cable core by means of water-swellable tape and elements

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

Laminated glass yarns

Improved rodent resistance

Fibers/buffer tubes color coded to Telcordia-Bellcore

Easy identification of the individual tubes and fibres

SZ-stranded, loose tube design

Isolates fibers from installation and environmental rigors and facilitates mid-span access



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Specifications

General Specifications	
Installation Methods	Duct
Cable Type	Loose Tube
Environment	Outdoor
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
Cable geometry	Round

Standards	
Fiber Standards	TIA/EIA-492CAAB, IEC 60793-2-50 Type B1.3, ITU-T G.652.D, ISO/IEC 11801 Ed.2.2
RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Waterblocking	IEC 60794-1-2 F5

Environmental Conditions	
Temperature Range, Installation	-5 °C to 50 °C (23 °F to 122 °F)
Temperature Range, Operation	-30 °C to 70 °C (-22 °F to 158 °F)
Temperature Range, Storage	-40 °C to 70 °C (-40 °F to 158 °F)

Cable Design	
Cable Marking	Meter - Handset - Sine - CORNING - Year -ALTOS (R) A-DQ(ZN)B2Y 16X12 E9 LT 2.3
Central Element	GRP
Fiber Count	192
Number of Ripcords	1
Buffer Tube Color Coding, Layer 1	Blue, Orange, Green, Brown
Outer Jacket Color	Black

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Cable Design	
Outer Jacket Material	Linear Low Density Polyethylene (LLDPE)
Outer Jacket Nominal Thickness	1.5 mm
Tensile Strength Elements and/or Armoring - Layer 1	Laminated glass yarn armor
Buffer Tube Diameter	2.25 mm
Central Element Diameter	2.5 mm
Filling Element Color	Natural
Number of Active Tubes	16
Number of Filling Elements	2
Number of Tube Positions	18
Tape	Water-swellable
Tape, Layer 1	Water-swellable
Tape, Layer 2	Water-swellable
Fiber Coloring	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Fibers per Tube	12

Mechanical Specifications	
Crush Resistance	2000 N/10 cm
Max. Tensile Strength for Installation	4000 N
Min. Bend Radius Installation	305 mm
Min. Bend Radius Operation	230 mm
Nominal Outer Diameter	15.5 mm

Dimensions	
Cable Weight	175 kg/km
Max. cable length per reel/drum	4000 m

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The CORNING logo is displayed in white, uppercase letters within a solid blue rectangular box.

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