

ALTOS® Loose Tube Dielectric Armor Outdoor Cable LT 2.3 24x12 SMF-28e+®

CORNING

Part Number: 288ERG-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 fibers

SZ-stranded, loose tube design

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

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Specifications

Mechanical Specifications

Crush Resistance	2000 N/10 cm
Min. Bend Radius Installation	305 mm
Min. Bend Radius Operation	265 mm
Nominal Outer Diameter	17.6 mm

Cable Design

Cable Marking	Meter - Handset - Sine - CORNING - Year -ALTOS (R) A-DQ(ZN)B2Y 24X12 E9 LT 2.3
Central Element	GRP
Fiber Count	288
Number of Ripcords	1
Buffer Tube Color Coding, Layer 1	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow
Outer Jacket Color	Black
Buffer Tube Color Coding, Layer 2	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua, Blue*, Orange*, Green*
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	4.6 mm
Number of Active Tubes	24
Number of Tube Positions	24

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Cable Design

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

Environmental Conditions

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

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

Weight	232 kg/km
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Standards

RoHS Free of hazardous substances according to RoHS 2011/65/EU

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

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



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