ALTOS® Loose Tube Dielectric Armour Outdoor Cable LT 2.3 2x12 E9 SMF-28e+® ITU G652.D

Part Number:
024ERG-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 cable 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
For improved rodent resistance

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

SZ-stranded, loose tube design
Isolates fibres from installation and environmental rigors and facilitates mid-span access

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Specifications

General Specifications	
Environment	Outdoor
Cable type	Loose tube
Product type	Dielectric armour
Fibre category	Single-mode (OS2)
Coding according to EN 60794-1-1 (DIN VDE 0888-100-1)	A-DQ(ZN)B2Y
Application	Duct
Fibre count	24

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
Waterblocking	IEC 60794-1-2 F5
Fibre 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
Temperature range, operation	-30 °C to 70 °C
Temperature range, storage	-40 °C to 70 °C

Cable Design	
Cable marking	Metre - Handset - Sine - CORNING - Year -ALTOS (R) A-DQ(ZN)B2Y 2X12 E9 LT 2.3

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CORNING

Cable Design	
Central element	Dielectric
Fibre count	24
Number of ripcords	1
Outer jacket colour	Black
Outer jacket material	Linear Low Density Polyethylene (LLDPE)
Outer jacket nominal thickness	1.5 mm
Tensile strength elements and/or armouring - Layer 1	Laminated glass yarn armour
Buffer tube colour	Blue, orange
Buffer tube diameter	2.25 mm
Central element diameter	2.5 mm
Filling element colour	Natural
Number of active tubes	2
Number of filling elements	4
Number of tube positions	6
Tape	Water-swellable
Fibre colouring	Blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise
Fibres per tube	12
Color Code Standards	Telcordia

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

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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

Dimensions	
Cable Weight	92 kg/km
Max. cable length per reel/drum	6000 m

RoHS COMPLIANT

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