

# ALTOS® Loose Tube Steel Armor Outdoor Cable LT 2.3 2x12 E9 SMF-28e+® ITU G652.D, HDPE

CORNING

**Part Number:**  
**024ERC-T3122P20**

Corning stranded loose tube cables with smooth steel tape armoring is designed for outdoor use for campus, city and intercity backbones in duct and direct burial 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, ducts, and for direct burial.

## Features and Benefits

### **Waterblocking technology**

OSP (outdoor) applications

### **Corrugated steel armoring**

Rodent, mechanical protection and direct buried applications

### **UV- and microbe-resistant**

Can be installed in ducts or conduits

### **Dry cable core by means of water swellable elements**

Allows efficient and craft-friendly cable preparation in outdoor applications

### **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	Direct Buried, Duct
Cable Type	Loose Tube
Environment	Outdoor
Product Type	Corrugated Steel Armor
Fiber Category	Single-mode (OS2)
Coding according to EN 60794-1-1 (DIN VDE 0888-100-1)	A-DQ(ZN)(SR)2Y
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)(SR)2Y 2X12 E9 LT 2.3
Central Element	Dielectric
Fiber Count	24
Number of Ripcords	2
Outer Jacket Color	Black
Outer Jacket Material	High Density Polyethylene (HDPE)

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Cable Design	
Outer Jacket Nominal Thickness	1.5 mm
Tensile Strength Elements and/or Armoring - Layer 1	Corrugated steel tape armor
Buffer Tube Color	Blue, Orange
Buffer Tube Diameter	2.25 mm
Central Element Diameter	2.5 mm
Number of Active Tubes	2
Number of Filling Elements	4
Number of Tube Positions	6
Tape	Water-swellable
Fiber Coloring	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Fibers per Tube	12
Color Code Standards	Telcordia

Mechanical Specifications	
Crush Resistance	3000 N/10 cm
Max. Tensile Strength for Installation	2700 N
Min. Bend Radius Installation	230 mm
Min. Bend Radius Operation	175 mm
Nominal Outer Diameter	11.6 mm

Dimensions	
Cable Weight	127 kg/km
Max. cable length per reel/drum	6000 m

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