

# ALTOS® Loose Tube Steel Armour Outdoor Cable LT 2.3 6x12 E9 SMF-28e+® ITU G652.D

CORNING

**Part Number:**  
**072ERC-T3122A20**

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 armouring**

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**

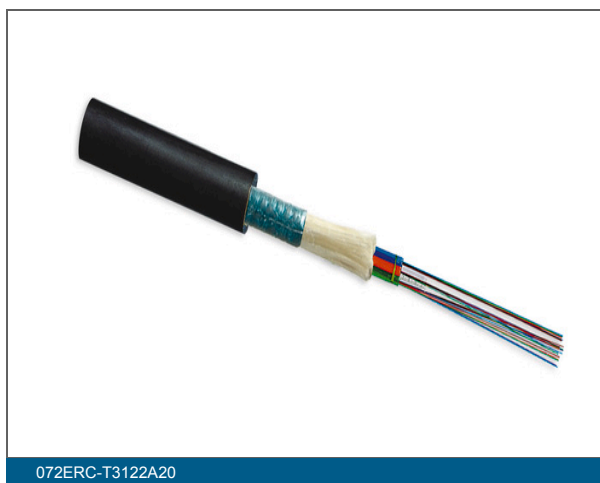
Allows efficient and craft-friendly cable preparation in outdoor applications

### **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

Mechanical Specifications	
Crush resistance	3000 N/10 cm
Min. bend radius installation	230 mm
Min. bend radius operation	175 mm
Nominal outer diameter	11.6 mm

Cable Design	
Cable marking	Meter - Handset - Sine - CORNING - Year -ALTOS (R) A-DQ(ZN)(SR)2Y 6X12 E9 LT 2.3
Central element	Dielectric
Fibre count	72
Buffer tube colour coding	Blue, orange, green, brown, grey, white
Number of ripcords	2
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	Corrugated steel tape armour
Buffer tube colour	Blue, orange, green, brown, grey, white
Buffer tube diameter	2.25 mm
Central element diameter	2.5 mm
Number of active tubes	6
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

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## Environmental Conditions

Temperature range, installation	-5 °C to 50 °C
Temperature range, storage	-40 °C to 70 °C
Temperature range, operation	-30 °C to 70 °C

## General Specifications

Environment	Outdoor
Cable type	Loose tube
Product type	Corrugated steel armour
Fibre category	Single-mode (OS2)
Coding according to EN 60794-1-1 (DIN VDE 0888-100-1)	A-DQ(ZN)(SR)2Y
Application	Duct, Direct Buried

## Ordering Information

Product Number	072ERC-T3122A20
EAN Code	4042673573135
Weight	127 kg/km

## Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Waterblocking	IEC 60794-1-2 F5

## Standards

Fibre 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
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Optical Characteristics	
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



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