

ALTOS® Loose Tube Outdoor Duct Cable LT 2.0 HDPE 4x12 E9 SMF-28e+® ITU G652.D

CORNING

Part Number:
048EP4-T3122P20

Corning stranded 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 2.0 mm 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 slim and lightweight cables are designed with a 1.1mm HDPE outer jacket for easy installation in conduits, ducts and on cable racks.

Features and Benefits

All-dielectric cable construction

Requires no grounding or bonding

UV- and microbe-resistant

Can be installed in ducts or conduits

Waterblocking technology

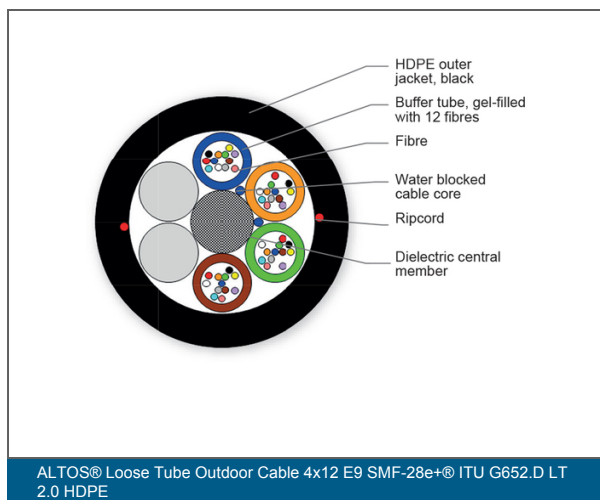
OSP (outdoor) applications

Fibres/buffer tubes colour coded to Telcordia-Bellcore

Easy identification of the individual tubes and fibres

Dry cable core by means of water swellable elements

Allows efficient and craft-friendly cable preparation in outdoor applications



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Specifications

Mechanical Specifications	
Crush resistance	1500 N/10 cm
Max. tensile strength for installation	1500 N
Min. bend radius installation	166 mm
Min. bend radius operation	83 mm
Nominal outer diameter	8.3 mm

Cable Design	
Cable marking	Metre - Handset - Sine - CORNING - Year - ALTOS (R) A-DQ(ZN)2Y 4X12 E9 LT 2.0
Central element	GRP
Fibre count	48
Buffer tube colour coding	Blue, orange, green, brown
Number of ripcords	2
Buffer tube colour coding, layer 1	Blue, orange, green, brown
Outer jacket colour	Black
Outer jacket material	High Density Polyethylene (HDPE)
Outer jacket nominal thickness	1.1 mm
Buffer tube colour	Blue, orange, green, brown
Buffer tube diameter	2 mm
Central element diameter	2.1 mm
Number of active tubes	4
Number of filling elements	2
Number of tube positions	6
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, operation	-30 °C to 70 °C
Temperature range, storage	-40 °C to 70 °C

General Specifications

Environment	Outdoor
Cable type	Loose tube
Product type	Dielectric
Fibre category	ITU-TG.652.D (OS2)
Coding according to EN 60794-1-1 (DIN VDE 0888-100-1)	A-DQ(ZN)2Y
Application	Duct

Ordering Information

Product Number	048EP4-T3122P20
Maximum delivery length	6000 m
Weight	54 kg/km

Standards

Waterblocking	IEC 60794-1-2 F5
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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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