

ALTOS® Loose Tube Dielectric Armour Outdoor Cable LT 2.3

CORNING

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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Standards

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

Specifications

General Specifications

Environment	Outdoor
Product type	Dielectric armour
Cable type	Loose tube
Coding according to EN 60794-1-1 (DIN VDE 0888-100-1)	A-DQ(ZN)B2Y

Temperature Range

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

Design Characteristics Cable

Fibre count	Fibres per tube	Number of tube positions	Number of active tubes	Buffer tube diameter
12	6	6	2	2.25 mm
24	4	6	6	2.25 mm
24	6	6	4	2.25 mm
24	12	6	2	2.25 mm
24	6	6	4	2.25 mm
24 - 72	12	6	2 - 6	2.25 mm
96	12	8	8	2.25 mm
120	12	10	10	2.25 mm
144	12	12	12	2.25 mm

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Design Characteristics Cable				
Fibre count	Fibres per tube	Number of tube positions	Number of active tubes	Buffer tube diameter
192 - 216	12	18	16 - 18	2.25 mm
288	12	24	24	2.25 mm

Mechanical Characteristics Cable					
Fibre count	Nominal outer diameter	Min. bend radius installation	Min. bend radius operation	Crush resistance	Weight
12 - 72	10.9 mm	215 mm	160 mm	2000 N/10 cm	91 kg/km
96	12.1 mm	245 mm	185 mm	2000 N/10 cm	116 kg/km
96	12.3 mm	245 mm	185 mm	2000 N/10 cm	116 kg/km
120	13.8 mm	275 mm	205 mm	2000 N/10 cm	145 kg/km
144	15.3 mm	305 mm	230 mm	2000 N/10 cm	180 kg/km
192 - 216	15.5 mm	305 mm	230 mm	2000 N/10 cm	177 kg/km
288	17.6 mm	305 mm	265 mm	2000 N/10 cm	232 kg/km

Transmission Performance

Single-mode		
Fibre category	SM, NZDSF (G.655)	OS2
Fibre name	E10/125 LEAF®/NZDS (Low Water Peak Fibre)	E9/125 SMF28e+®
Wavelengths	1550 nm / 1625 nm	1310 nm / 1383 nm / 1550 nm
Fibre code	F	E
Maximum Attenuation	0.21 dB/km / 0.24 dB/km	0.36 dB/km / 0.36 dB/km / 0.22 dB/km

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