

ALTOS® Loose Tube Steel Armor Outdoor Cable LT 2.3

CORNING

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

Fibres/buffer tubes colour 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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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	Corrugated Steel Armor
Cable Type	Loose Tube
Coding according to EN 60794-1-1 (DIN VDE 0888-100-1)	A-DQ(ZN)(SR)2Y

Temperature Range

Temperature Range, Storage	-40 °C - 70 °C (-40 F - 158 F)
Temperature Range, Installation	-5 °C - 50 °C (23 F - 122 F)
Temperature Range, Operation	-30 °C - 70 °C (-22 F - 158 F)

Design Characteristics Cable

Fiber Count	Fibers per Tube	Number of Tube Positions	Number of Active Tubes	Buffer Tube Diameter
12 - 24	6	6	2 - 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
192 - 216	12	18	16 - 18	2.25 mm
288	12	24	24	2.25 mm

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Mechanical Characteristics Cable

Fiber Count	Nominal Outer Diameter	Min. Bend Radius Installation	Min. Bend Radius Operation	Max. Tensile Strength for Installation	Crush Resistance	Weight
12 - 72	11.6 mm	230 mm	175 mm	2700 N	3000 N/10 cm	127 kg/km
96	13 mm	260 mm	195 mm	2700 N	3000 N/10 cm	156 kg/km
120	14.5 mm	290 mm	215 mm	2700 N	3000 N/10 cm	193 kg/km
144	16 mm	320 mm	240 mm	2700 N	3000 N/10 cm	232 kg/km
192 - 216	16.2 mm	355 mm	240 mm	2700 N	3000 N/10 cm	230 kg/km
288	18.3 mm	405 mm	275 mm	2700 N	3000 N/10 cm	295 kg/km

Transmission Performance

Single-mode

Fiber Category	SM, NZDSF (G.655)	OS2
Fiber Name	E10/125 LEAF®/NZDS (Low Water Peak Fiber)	E9/125 SMF28e+®
Wavelengths	1550 nm / 1625 nm	1310 nm / 1383 nm / 1550 nm
Fiber 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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