ALTOS® Lite Loose Tube, Gel-Free, Single-Jacket, Single-Armored Cables with FastAccess® Technology

CORNING

Corning ALTOS® Lite gel-free, single-jacket, single-armored cables with FastAccess® technology are designed for direct-buried installations. The innovative FastAccess technology feature combined with the gel-free loose tube design simplifies removal of the cable jacket and accessing the buffer tubes. The gel-free design means the cables are fully waterblocked using craft-friendly water-swellable materials which makes cable access simple and require no clean up.The loose tube design uses Corning's SMF-28® Ultra fiber to provide reliable transmission parameters for a variety of voice, data, video and imaging applications. The flexible buffer tubes are easy to route in closures, and the SZ-stranded, loose tube design isolates fibers from installation and environmental rigors while allowing easy midspan access.The single-armored construction provides additional crush and rodent protection.These cables have a medium-density polyethylene jacket that is rugged, durable and easy to strip.

Features and Benefits

ALTOS® Lite FastAccess® Technology

Corning's ALTOS Lite FastAccess Technology refers to the combination of a Corning FastAccess Technology jacket with an innovative technology used to bind cable construction through the manufacturing process, eliminating the use of binder yarns and waterblocking tapes and up to a 60 percent improvement in cable access time. These technologies also reduce the overall risk of inadvertent fiber damage by reducing the need for sharp cable access tools.

Stranded optical core

Elimination of overlapping yarn binders around stranded tubes to reduce end access time

Fully waterblocked loose tube all-dielectric gel-free design

Simple access and no clean up

Single-armored construction

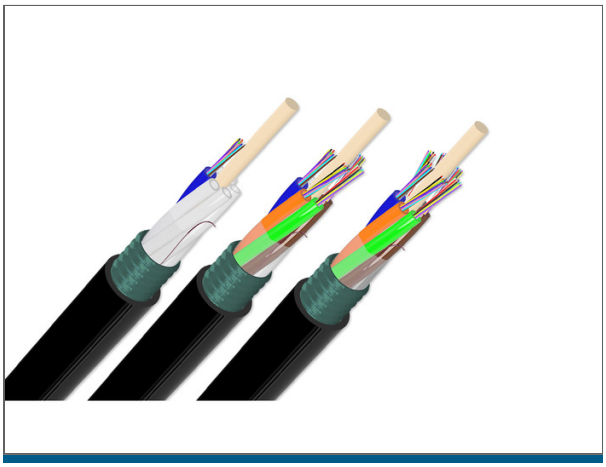
Provides additional crush and rodent protection

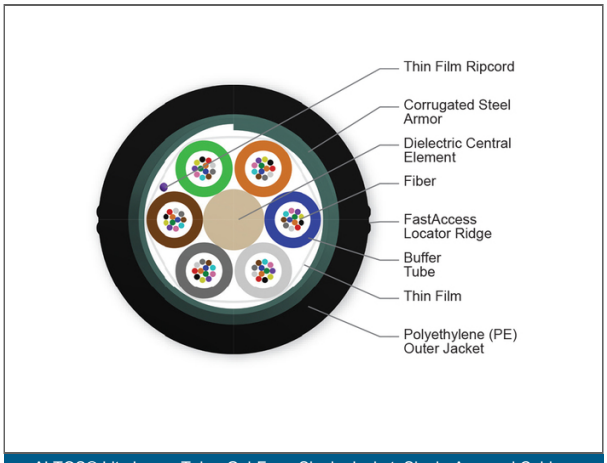
Polyethylene jacket

Rugged, durable and easy to strip (while providing superior protection against UV radiation, fungus, abrasion and other environmental factors)

Available with Corning's SMF-28® Ultra fiber

ITU-T G.652 D and ITU-T G.657 A1 compliant fiber ready for any application





ALTOS® Lite Loose Tube, Gel-Free, Single-Jacket, Single-Armored Cables with FastAccess® Technology, 72 F, SMF-28® Ultra fiber, Single-mode (OS2)

ALTOS® Lite Loose Tube, Gel-Free, Single-Jacket, Single-Armored Cables with FastAccess® Technology

Standards	
RoHS	Free of hazardous substances according to RoHS 2011/65/EU

Specifications

General Specifications	
Environment	Outdoor
Product Type	Armored
Cable Type	Loose Tube

Temperature Range	
Temperature Range, Storage	-40 °C - 70 °C (-40 °F - 158 °F)
Temperature Range, Installation	-30 °C - 70 °C (-22 °F - 158 °F)
Temperature Range, Operation	-40 °C - 70 °C (-40 °F - 158 °F)
Notes	Corning recommends storing cable in a proper temperature environment prior to installation to allow the cable temperature to meet installation temperature range specifications for best installation results.

Design Characteristics Cable				
Fiber Count	Fibers per Tube	Number of Tube Positions	Number of Active Tubes	Buffer Tube Diameter
12 - 72	12	6	1 - 6	2.5 mm (0.1 in)

Transmission Performance

Single-mode			
Performance Option Code	22	00	01
Fiber Category	G.652.D/G.657.A1	G.652.D	G.652.D/G.657.A1
Fiber Name	SMF-28® Ultra fiber	Single-mode (OS2)	SMF-28® Ultra fiber

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Single-mode			
Wavelengths	1310 nm / 1383 nm / 1550 nm	1310 nm / 1383 nm / 1550 nm	1310 nm / 1383 nm / 1550 nm
Fiber Code	Z	E	Z
Maximum Attenuation	0.34 dB/km / 0.34 dB/km / 0.22 dB/km	0.35 dB/km / 0.35 dB/km / 0.25 dB/km	0.4 dB/km / 0.4 dB/km / 0.3 dB/km

1 Select fiber count.
Standard offerings: 12-72 fibers

2 Defines fiber type.
Z = Single-mode SMF-28® Ultra fiber (G.652.D/G.657.A1)

3 Defines cable type.
U = ALTOS loose tube cable with 2.5 mm buffer tubes

4 Defines outer jacket.
C = Single-jacket, single-armored

5 Defines fiber placement.
T = 12 fibers/buffer tube

6 Select length markings.
3 = Markings in meters
4 = Markings in feet

7 Defines special jacket feature.
F = FastAccess® Technology

8 Defines performance option code.
22 = Single-mode (OS2)
Max. attenuation 0.34/0.34/0.20 dB/km

9 Defines cable type.
D = Gel-free cable

10 Defines special requirements.
20 = No special requirements

RoHS COMPLIANT

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