

ALTOS® Lite Loose Tube, Gel-Free, Single-Jacket, Single-Armored Cables with FastAccess® Technology, 12-72 Fibers

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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, gel-free design

Simple access and no clean up

Single-armored construction

Provides additional crush and rodent protection

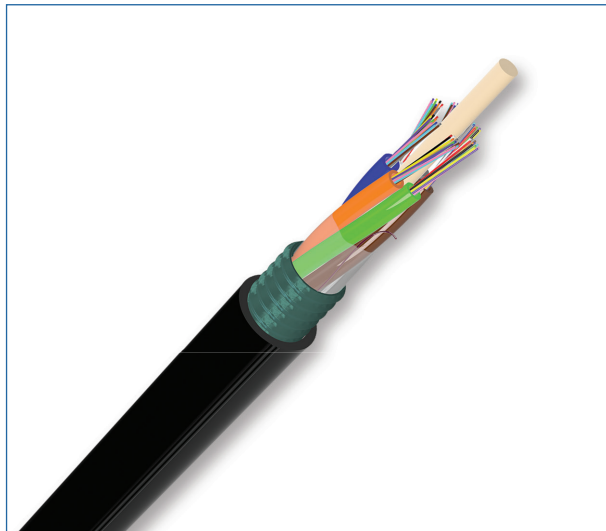
Polyethylene jacket

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

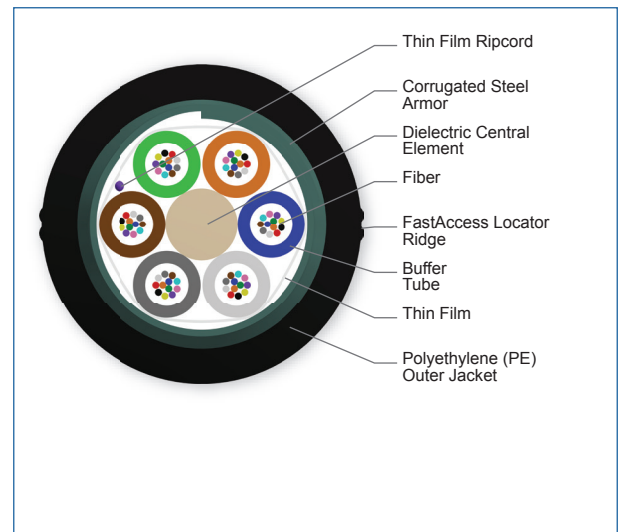
Available with Corning's SMF-28® Ultra fiber

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

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-swellaable 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.



ALTOS Lite Cable with FastAccess Technology, 72 Fibers



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Standards

Common Installations Outdoor lashed aerial, duct and direct-buried; indoor when installed according to National Electrical Code® (NEC®) Article 770

Design and Test Criteria ANSI/ICEA S-87-640, Telcordia GR-20, RDUP PE-90

Specifications

Temperature Range	
Storage	-40 °C to 70 °C (-40 °F to 158 °F)
Installation	-30 °C to 70 °C (-22 °F to 158 °F)
Operation	-40 °C to 70 °C (-40 °F to 158 °F)

* Note: 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.

Mechanical Characteristics Cable	
Max. Tensile Strength, Short-Term	2700 N (600 lbf)
Max. Tensile Strength, Long-Term	890 N (200 lbf)

Fiber Count	Product Type	Number of Tube Positions	Number of Active Tubes	Weight	Nominal Outer Diameter	Min. Bend Radius Installation	Min. Bend Radius Operation
12	Armored	6	1	116 kg/km (78 lb/1000 ft)	11.70 mm (0.46 in)	176 mm (7.0 in)	117 mm (4.6 in)
24	Armored	6	2	117 kg/km (79 lb/1000 ft)	11.70 mm (0.46 in)	176 mm (7.0 in)	117 mm (4.6 in)
36	Armored	6	3	118 kg/km (79 lb/1000 ft)	11.70 mm (0.46 in)	176 mm (7.0 in)	117 mm (4.6 in)
48	Armored	6	4	119 kg/km (80 lb/1000 ft)	11.70 mm (0.46 in)	176 mm (7.0 in)	117 mm (4.6 in)
60	Armored	6	5	120 kg/km (81 lb/1000 ft)	11.70 mm (0.46 in)	176 mm (7.0 in)	117 mm (4.6 in)
72	Armored	6	6	121 kg/km (81 lb/1000 ft)	11.70 mm (0.46 in)	176 mm (7.0 in)	117 mm (4.6 in)

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Chemical Characteristics

RoHS

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

Transmission Performance

Single-mode	
Fiber Name	SMF-28® Ultra fiber
Fiber Category	G.652.D/G.657.A1
Fiber Code	Z
Performance Option Code	22
Wavelengths (nm)	1310/1383/1550
Maximum Attenuation (dB/km)	0.34/0.34/0.22
Typical Attenuation* (dB/km)	0.32/0.32/0.18

* Typical attenuation values match the attenuation values listed in the optical fiber specifications. SMF-28® Ultra delivers up to 10x better macrobend loss performance compared to the G.652.D standard and up to 33 percent better macrobend loss performance than the G.657.A1 standard for 10mm radii bends.

Ordering Information | Note: Contact Customer Care at 1-800-743-2675 for other options.

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Z	U	C	-	T	<input type="checkbox"/>	F	2	2	D	2	0
			2	3	4		5	6	7	8		9		10

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

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Notes



Corning Optical Communications LLC • PO Box 489 • Hickory, NC 28603-0489 USA

800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • www.corning.com/opcomm

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