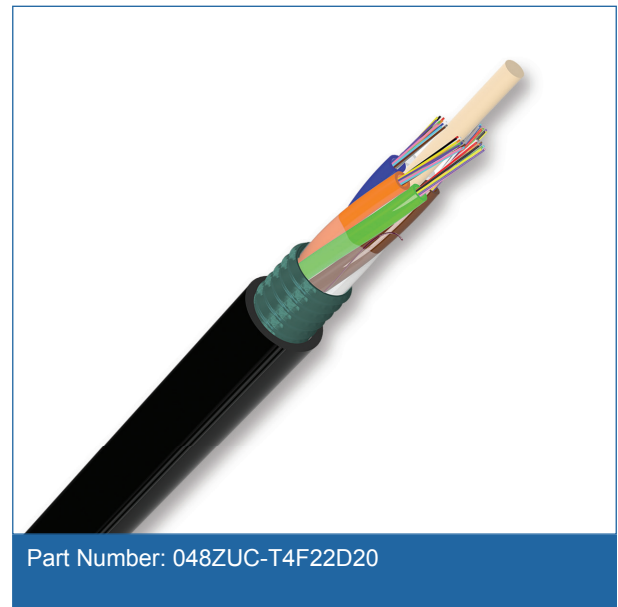


ALTOS® Lite Loose Tube, Gel-Free, Single-Jacket, Single-Armored Cables with FastAccess® Technology

48 F, SMF-28® Ultra fiber, Single-mode (OS2)

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-swallowable 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

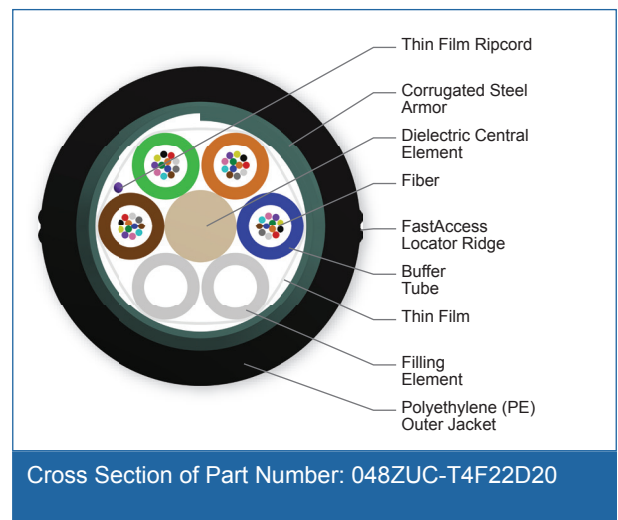
Provides additional crush and rodent protection

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



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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

Specifications

General Specifications	
Environment	Outdoor
Application	Aerial, Direct Buried, Duct
Cable Type	Loose Tube
Product Type	Armored
Fiber Category	SMF-28® Ultra fiber

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)

Cable Design	
Central Element	Dielectric
Fiber Count	48
Fiber Coloring	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Fibers per Tube	12
Number of Tube Positions	6
Number of Active Tubes	4
Buffer Tube Color Coding	Blue, Orange, Green, Brown
Buffer Tube Diameter	2.5 mm (0.1 in)
Number of Filling Elements	2
Tape	Water-Swellable
Tensile Strength Elements and/or Armoring - Layer 1	Corrugated steel tape armor
Number of Ripcords	2

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Cable Design

Outer Jacket Material	Polyethylene (PE)
Outer Jacket Color	Black

Mechanical Characteristics Cable

Max. Tensile Strength, Short-Term	2700 N (600 lbf)
Max. Tensile Strength, Long-Term	890 N (200 lbf)
Weight	119 kg/km (80 lb/1000 ft)
Nominal Outer Diameter	11.70 mm (0.46 in)
Min. Bend Radius Installation	176 mm (7.0 in)
Min. Bend Radius Operation	117 mm (4.6 in)

Chemical Characteristics

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

Optical Characteristics (cabled)

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

* For more information on typical attenuation please see the Corning whitepaper at http://csmedia.corning.com/opcomm//Resource_Documents/whitepapers_rl/LAN-1863-AEN.pdf

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Ordering Information

Part Number	048ZUC-T4F22D20
Product Description	ALTOS® Lite Loose Tube, Gel-Free, Single-Jacket, Single-Armored Cables with FastAccess® Technology, 48 F, SMF-28® Ultra fiber, Single-mode (OS2)



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