

ALTOS® Lite Loose Tube, Gel-Free, Double-Jacket, Double-Armored Cable 48 F, Single-mode (OS2)

Part Number:
048EUD-T4101D20

Corning ALTOS® Lite gel-free double-jacket, double-armored cables are rugged cables designed for direct-buried installations. The loose tube design provides stable performance over a wide temperature range and is compatible with any telecommunications-grade optical fiber.

Features and Benefits

Two jacket layers and two steel tape armor layers

Provides superior rodent resistance for direct-buried applications

Flexible, craft-friendly buffer tubes

Facilitate easy routing in closures

Gel-free waterblocking technology

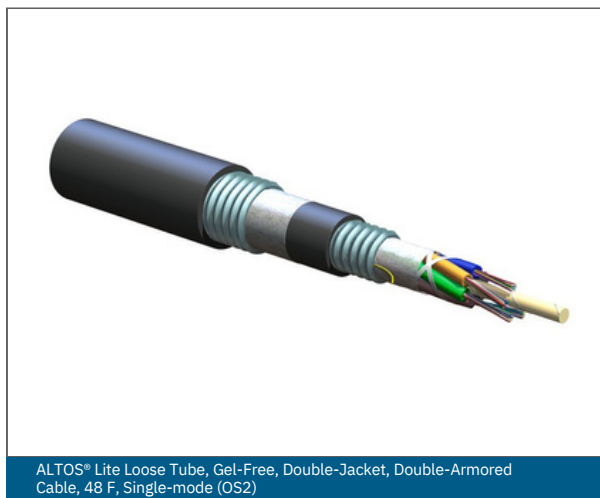
Craft-friendly cable preparation

Polyethylene jacket

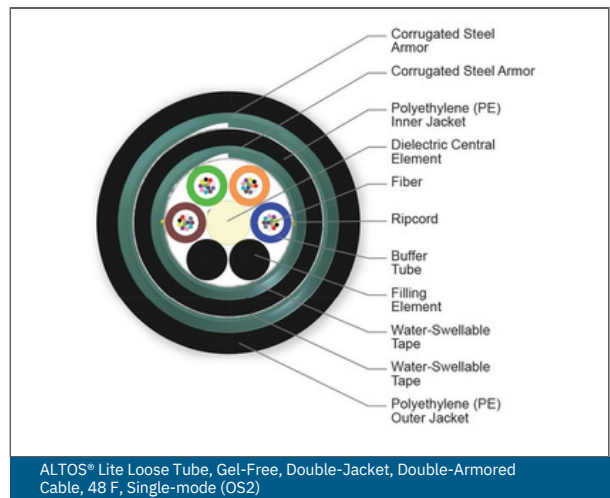
Rugged, durable and easy to strip (while providing superior protection against UV radiation, fungus, abrasion and other environmental factors)

Exceeds the RDUP requirements for mid-span buffer tube slack storage

Provides flexibility for mid-span access applications



ALTOS® Lite Loose Tube, Gel-Free, Double-Jacket, Double-Armored Cable, 48 F, Single-mode (OS2)



ALTOS® Lite Loose Tube, Gel-Free, Double-Jacket, Double-Armored Cable, 48 F, Single-mode (OS2)

ALTOS® Lite Loose Tube, Gel-Free, Double-Jacket, Double-Armored Cable 48 F, Single-mode (OS2)

Specifications

General Specifications	
Environment	Outdoor
Cable Type	Loose Tube
Product Type	Armored
Fiber Category	Single-mode (OS2)
Application	Direct Buried
Fiber Count	48

Standards	
RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Approvals and Listings	USDA Rural Development Programs
Design and Test Criteria	ANSI/ICEA S-87-640

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

Cable Design	
Central Element Fiber Count Number of Ripcords	Dielectric 48 4 Black
Outer Jacket Color Outer Jacket Material Tensile	Polyethylene (PE)
Strength Elements and/or Armoring - Layer 1 Tensile	Corrugated steel tape armor
Strength Elements and/or Armoring - Layer 2	Corrugated steel tape armor

ALTOS® Lite Loose Tube, Gel-Free, Double-Jacket, Double-Armored Cable 48 F, Single-mode (OS2)

Cable Design	
Buffer Tube Color	Blue, Orange, Green, Brown 2.5mm (0.1in) Polyethylene (PE) 4
Buffer Tube Diameter	2 6 Water-swellaable Water-swellaable Water-swellaable Blue,
Inner Jacket Material	Orange, Green, Brown, Slate, White, Red, Black, Yellow,
Number of Active Tubes	Violet, Rose, Aqua 12
Number of Filling Elements	Telcordia
Number of Tube Positions	
Tape	
Tape, Layer 1	
Tape, Layer 2	
Fiber Coloring	
Fibers per Tube	
Color Code Standards	

Mechanical Specifications	
Max. Tensile Strength, Long-Term	890N (200.08lbf)
Max. Tensile Strength, Short-Term	2700N (606.98lbf)
Nominal Outer Diameter	16.1 mm (0.63 in)
Min. Bend Diameter Installation	484mm (19.06in)
Min. Bend Diameter Operation	322mm (12.68in)

Optical Characteristics	
Fiber Code	E
Fiber Name	Single-mode (OS2)
Fiber Type	Single-mode
Performance Option Code	01
Maximum Attenuation	0.4 dB/km / 0.4 dB/km / 0.3 dB/km
Wavelengths	1310 nm / 1383 nm / 1550 nm

ALTOS® Lite Loose Tube, Gel-Free, Double-Jacket, Double-Armored Cable 48 F, Single-mode (OS2)

Optical Characteristics

Fiber Category

G.652.D

Dimensions

Cable Weight

247kg/km (165.98lb/1000 ft)



Corning Optical Communications LLC • 4200 Corning Place • Charlotte, NC • 28216 • United States 800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • www.corning.com/opcomm

A complete listing of the trademarks of Corning Optical Communications is available at www.corning.com/opcomm/trademarks. All other trademarks are the properties of their respective owners. Corning Optical Communications is ISO 9001 certified. © 2024 Corning Optical Communications. All rights reserved.