

# ALTOS® Lite™ Loose Tube, Gel-Filled, Double-Jacket, Double-Armored Cable

96 F, Single-mode (OS2)

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Corning ALTOS® Lite™ 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

### Cable core features innovative waterblocking technology

Eliminates the need for traditional flooding compound and provides efficient and craft-friendly cable preparation

### Medium-density polyethylene jacket

Makes cable rugged and durable while being flexible and easy to strip

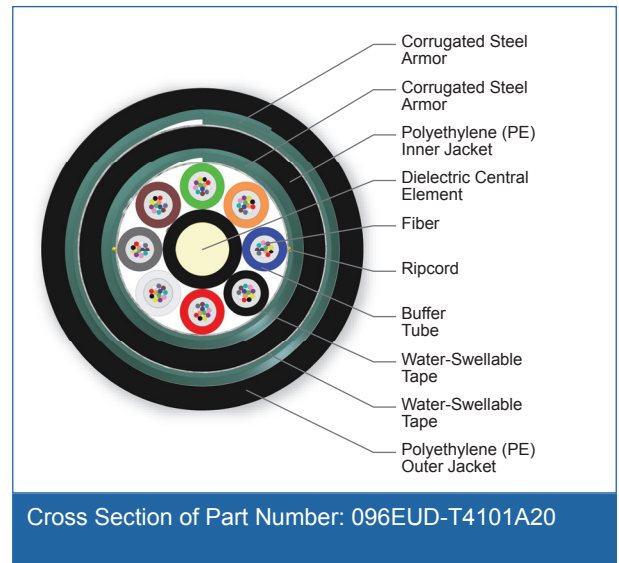
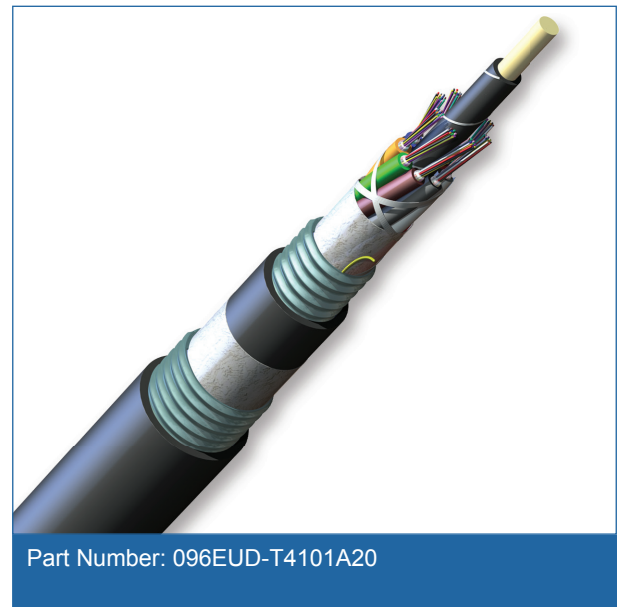
### Exceeds the RDUP requirements for mid-span buffer tube slack storage

Provides flexibility for mid-span access applications

## Standards

**Approvals and Listings**    USDA Rural Development Programs

**Design and Test Criteria**    Telcordia GR-20, ICEA-640



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## Specifications

### General Specifications

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

### 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	96
Fiber Coloring	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Fibers per Tube	12
Number of Tube Positions	8
Number of Active Tubes	8
Buffer Tube Color Coding	Blue, Orange, Green, Brown, Slate, White, Red, Black
Buffer Tube Diameter	2.5 mm (0.1 in)
Tape	Water-swellable
Tensile Strength Elements and/or Armoring - Layer 1	Corrugated steel tape armor
Inner Jacket Material	Polyethylene (PE)
Tape, Layer 2	Water-swellable
Number of Ripcords	4
Tensile Strength Elements and/or Armoring - Layer 2	Corrugated steel tape armor
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)

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## Mechanical Characteristics Cable

Weight	307 kg/km (206 lb/1000 ft)
Nominal Outer Diameter	17.8 mm (0.70 in)
Min. Bend Radius Installation	267 mm (10.5 in)
Min. Bend Radius Operation	178 mm (7.0 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	Single-mode (OS2)
Fiber Category	G.652.D
Fiber Code	E
Performance Option Code	01
Wavelengths	1310 nm / 1383 nm / 1550 nm
Maximum Attenuation	0.4 dB/km / 0.4 dB/km / 0.3 dB/km

## Ordering Information

Part Number	096EUD-T4101A20
Product Description	ALTOS® Lite™ Loose Tube, Gel-Filled, Double-Jacket, Double-Armored Cable, 96 F, Single-mode (OS2)
EAN Code	4056418142241



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