

# ALTOS® Loose Tube, Gel-Free, Double-Jacket Cable

96 F, Single-mode (OS2)

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Corning ALTOS® gel-free double-jacket, dielectric cables are designed for duct and aerial (lashed) installation. The double-jacket construction adds a layer of protection for harsh environments. The loose tube cable design provides stable performance over a wide temperature range and is compatible with any telecommunications-grade optical fiber.

## Features and Benefits

### Two jacket layers

Provides extra protection in harsh environments

### Flexible, craft-friendly buffer tubes

Facilitate easy routing in closures

### Gel-free waterblocking technology

Craft friendly cable preparation

### Medium-density polyethylene jacket

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

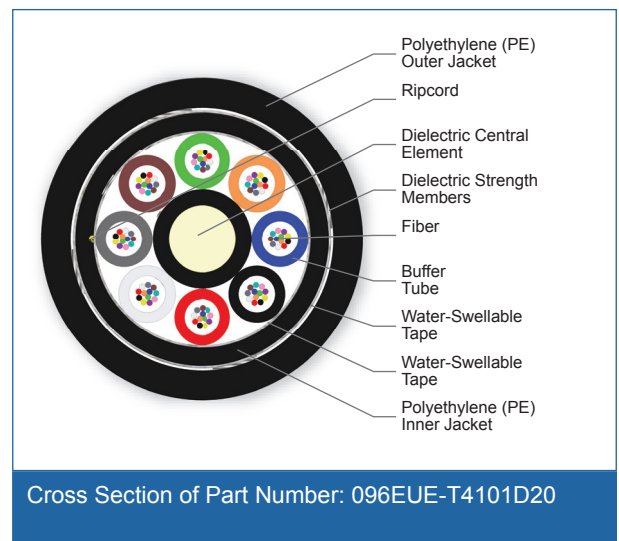
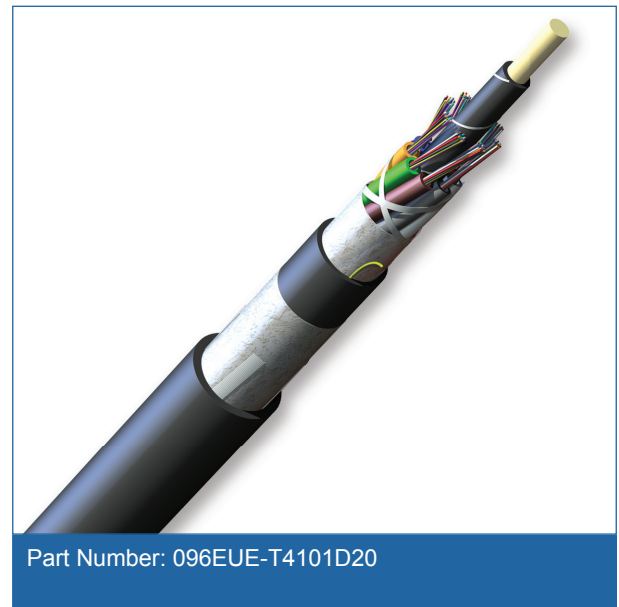
### Exceeds the RDUP requirements for mid-span buffer tube slack storage

Provides flexibility for mid-span access applications

## Standards

Approvals and Listings	RDUP (RUS) Listed Material acceptability
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Design and Test Criteria	ANSI/ICEA S-87-640
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# ALTOS<sup>®</sup> Loose Tube, Gel-Free, Double-Jacket Cable

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## Specifications

### General Specifications

Environment	Outdoor
Application	Aerial, Duct
Cable Type	Loose Tube
Product Type	Dielectric
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-swellaible
Inner Jacket Material	Polyethylene (PE)
Tape, Layer 2	Water-swellaible
Number of Ripcords	1
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Outer Jacket Material	Polyethylene (PE)
Outer Jacket Color	Black
Maximum Fibers per Tube	12

### 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	137 kg/km (92 lb/1000 ft)
Nominal Outer Diameter	14.2 mm (0.56 in)
Min. Bend Radius Installation	213 mm (8.4 in)
Min. Bend Radius Operation	142 mm (5.6 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	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	096EUE-T4101D20
Product Description	ALTOS® Loose Tube, Gel-Free, Double-Jacket Cable, 96 F, Single-mode (OS2)
EAN Code	4056418174778



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