

ALTOS® Lite Loose Tube, Gel-Free, Single-Jacket, Single-Armored Cable 96 F, Single-mode (OS2)

CORNING

Part Number: 096EUC-T4100D20

Corning ALTOS® Lite gel-free, single-jacket, single-armored cables are designed for campus backbones in direct-buried installations. The loose tube design provides stable and highly reliable transmission parameters for a variety of voice, data, video and imaging applications. These cables also provide high-fiber density within a given cable diameter while allowing flexibility to suit many system configurations. The single armored construction provides additional crush and rodent protection with a high-strength ripcord under the armor for easy stripping. Gel-free means the cables are fully waterblocked using craft-friendly, water-swallowable materials which make cable access simple and require no clean up. The flexible, craft-friendly 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 mid-span access. These cables have a medium density polyethylene jacket that is rugged, durable and easy to strip.

Features and Benefits

Gel-free waterblocking technology

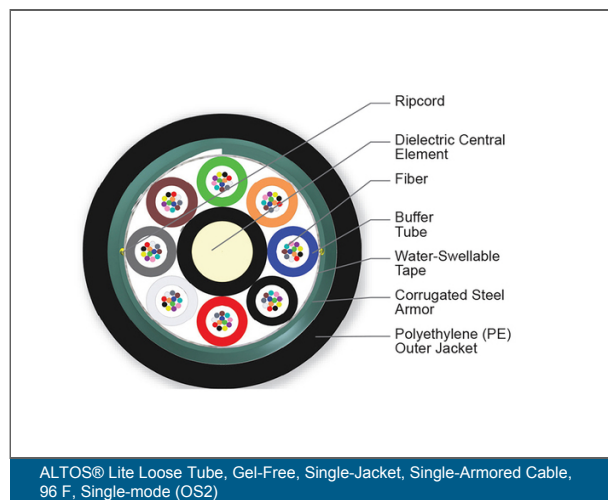
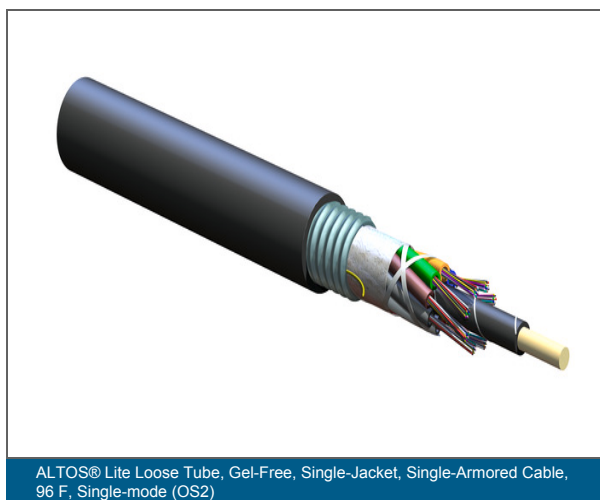
Craft-friendly cable preparation

Polyethylene jacket

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

Corrugated steel tape armor

Provides rodent resistance for direct-buried applications



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Specifications

Mechanical Specifications

Max. Tensile Strength, Long-Term	890 N (200.08 lbf)
Max. Tensile Strength, Short-Term	2700 N (606.98 lbf)
Min. Bend Radius Installation	207 mm (8.15 in)
Min. Bend Radius Operation	138 mm (5.43 in)
Nominal Outer Diameter	13.8 mm (0.54 in)

Cable Design

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

Environmental Conditions

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

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Environmental Conditions

Temperature Range, Operation	-40 °C to 70 °C (-40 F to 158 F)
Notes	<i>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.</i>

General Specifications

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

Ordering Information

Product Number	096EUC-T4100D20
EAN Code	4056418185538
Weight	162 kg/km (108.86 lb/1000 ft)

Standards

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

Optical Characteristics

Fiber Code	E
Fiber Name	Single-mode (OS2)
Fiber Type	Single-mode

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Optical Characteristics	
Performance Option Code	00
Maximum Attenuation	0.35 dB/km / 0.35 dB/km / 0.25 dB/km
Wavelengths	1310 nm / 1383 nm / 1550 nm
Fiber Category	G.652.D



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