

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

192 F, Single-mode (OS2)

CORNING

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

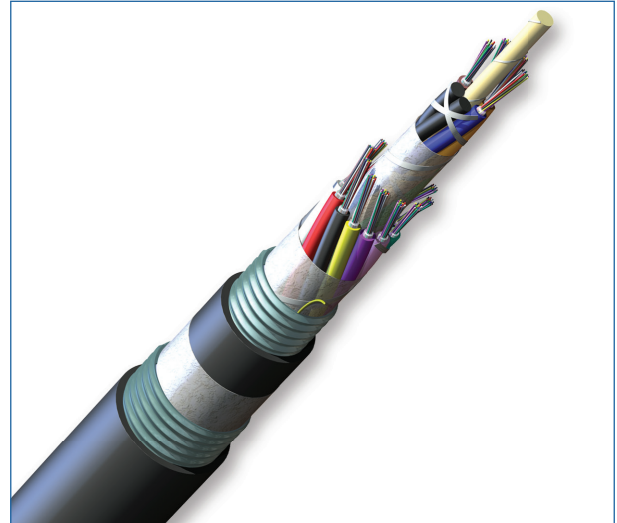
Medium-density polyethylene jacket
Makes cable rugged and durable while being flexible and easy to strip

Exceeds the RDUP requirements for mid-span buffer tube slack storage
Provides flexibility for mid-span access applications

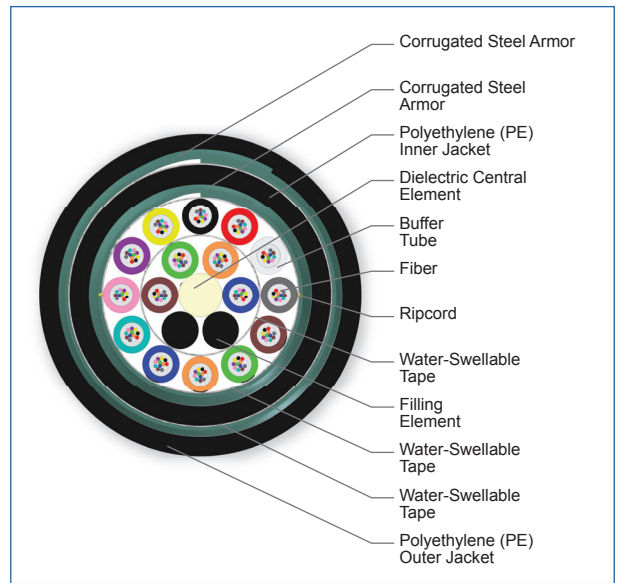
Standards

Approvals and Listings USDA Rural Development Programs

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



Part Number: 192EUD-T4101A20



Cross Section of Part Number: 192EUD-T4101A20

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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	192
Fiber Coloring	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Fibers per Tube	12
Number of Tube Positions	18
Number of Active Tubes	16
Buffer Tube Color Coding, Layer 1	Blue, Orange, Green, Brown
Buffer Tube Diameter	2.5 mm (0.1 in)
Tape	Water-swellaable
Buffer Tube Color Coding, Layer 2	Slate, White, Red, Black, Yellow, Violet, Rose, Aqua, Blue*, Orange*, Green*, Brown*
Number of Filling Elements	2
Tape, Layer 2	Water-swellaable
Tensile Strength Elements and/or Armoring - Layer 1	Corrugated steel tape armor
Inner Jacket Material	Polyethylene (PE)
Tape, Layer 3	Water-swellaable
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

Notes: Tubes 13 to 24 include a co-extruded stripe that is white for the black tube and black for all other tube colors.

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Mechanical Characteristics Cable

Max. Tensile Strength, Short-Term	2700 N (600 lbf)
Max. Tensile Strength, Long-Term	890 N (200 lbf)
Weight	420 kg/km (282 lb/1000 ft)
Nominal Outer Diameter	21.8 mm (0.86 in)
Min. Bend Radius Installation	327 mm (12.9 in)
Min. Bend Radius Operation	218 mm (8.6 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	192EUD-T4101A20
Product Description	ALTOS® Lite™ Loose Tube, Gel-Filled, Double-Jacket, Double-Armored Cable, 192 F, Single-mode (OS2)



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