

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

192 F, Single-mode (OS2)

CORNING

Corning ALTOS® triple-jacket, double-armored cables are rugged, armored 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

Three jacket layers and two steel tape armor layers
Provide superior rodent resistance for direct-buried applications

Flexible, craft-friendly buffer tubes
Facilitate easy routing in closures

Innovative waterblocking design
Provides efficient and craft-friendly cable preparation

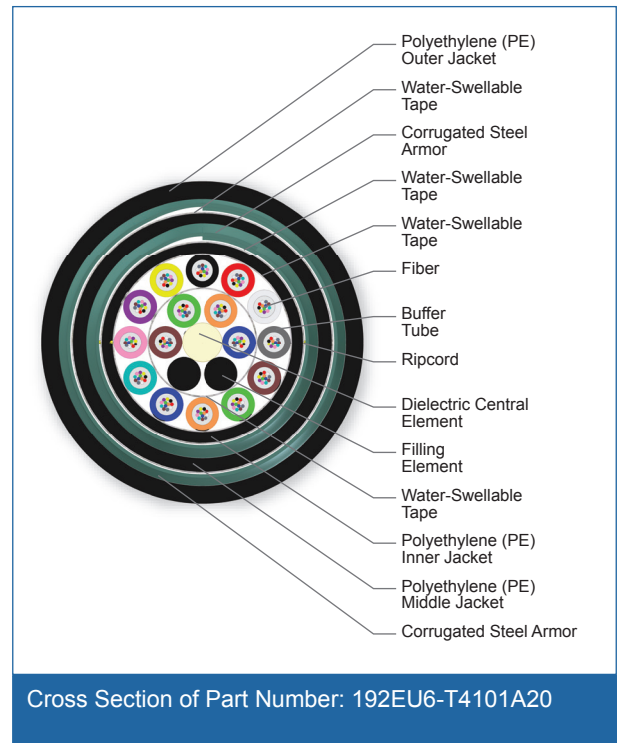
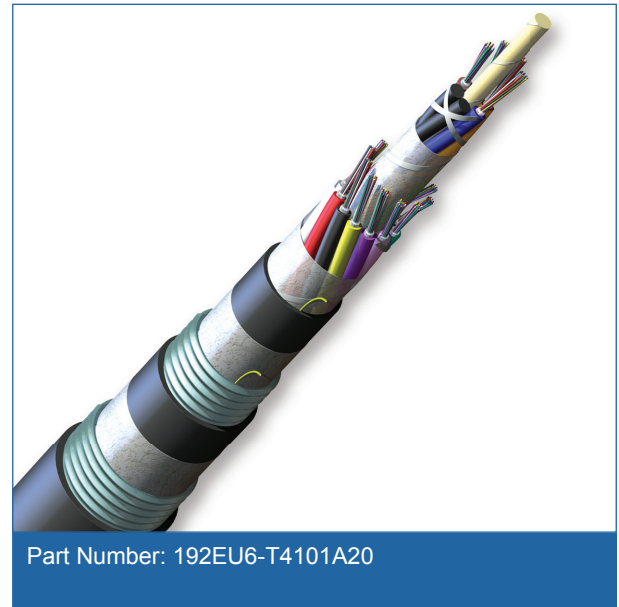
Medium-density polyethylene jacket
Rugged, durable and easy to strip (while providing superior protection against UV radiation, fungus, abrasion and other environmental factors)

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

Standards

Approvals and Listings USDA Rural Development Programs

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



ALTOS[®] Loose Tube, Gel-Filled, Triple-Jacket, Double-Armored Cable

192 F, Single-mode (OS2)

CORNING

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
Number of Filling Elements	2
Buffer Tube Color Coding, Layer 2	Slate, White, Red, Black, Yellow, Violet, Rose, Aqua, Blue*, Orange*, Green*, Brown*
Tape, Layer 2	Water-swellaable
Inner Jacket Material	Polyethylene (PE)
Tape, Layer 3	Water-swellaable
Tensile Strength Elements and/or Armoring - Layer 1	Corrugated steel tape armor
Intermediate Jacket Material	Polyethylene (PE)
Tape, Layer 4	Water-swellaable
Number of Ripcords	5
Tensile Strength Elements and/or Armoring - Layer 2	Corrugated steel tape armor

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

ALTOS[®] Loose Tube, Gel-Filled, Triple-Jacket, Double-Armored Cable

192 F, Single-mode (OS2)

CORNING

Cable Design

Outer Jacket Material	Polyethylene (PE)
Outer Jacket Color	Black
Maximum Fibers per Tube	12

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

Mechanical Characteristics Cable

Max. Tensile Strength, Short-Term	2700 N (600 lbf)
Max. Tensile Strength, Long-Term	890 N (200 lbf)
Weight	496 kg/km (333 lb/1000 ft)
Nominal Outer Diameter	24.0 mm (0.94 in)
Min. Bend Radius Installation	360 mm (14.2 in)
Min. Bend Radius Operation	240 mm (9.4 in)

Chemical Characteristics

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

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	192EU6-T4101A20
Product Description	ALTOS [®] Loose Tube, Gel-Filled, Triple-Jacket, Double-Armored Cable, 192 F, Single-mode (OS2)

ALTOS[®] Loose Tube, Gel-Filled, Triple-Jacket, Double-Armored Cable

192 F, Single-mode (OS2)

The CORNING logo is displayed in white, uppercase letters within a solid blue square.

Notes



Corning Optical Communications LLC • PO Box 489 • Hickory, NC 28603-0489 USA

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.

© 2016 Corning Optical Communications. All rights reserved.