

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

96 F, 50 µm multimode (OM2)

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

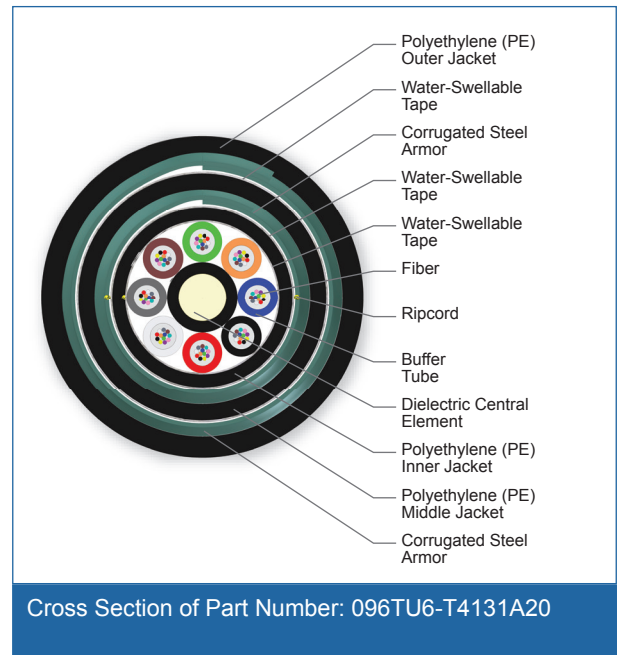
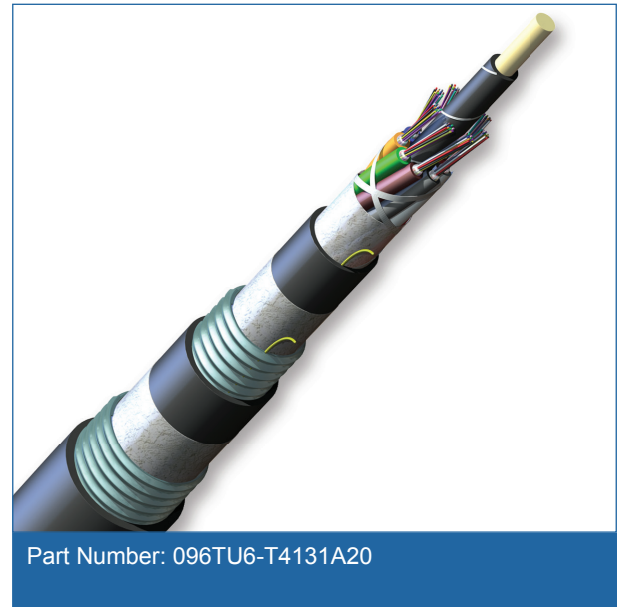
Medium-density polyethylene jacket
Rugged, durable and easy to strip (while providing superior protection against UV radiation, fungus, abrasion and other environmental factors)

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

96 F, 50 µm multimode (OM2)

CORNING

Specifications

General Specifications	
Environment	Outdoor
Application	Direct Buried
Cable Type	Loose Tube
Product Type	Armored
Fiber Category	50 µm MM (OM2)

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-swellaable
Inner Jacket Material	Polyethylene (PE)
Tape, Layer 2	Water-swellaable
Tensile Strength Elements and/or Armoring - Layer 1	Corrugated steel tape armor
Intermediate Jacket Material	Polyethylene (PE)
Tape, Layer 3	Water-swellaable
Number of Ripcords	5
Tensile Strength Elements and/or Armoring - Layer 2	Corrugated steel tape armor
Outer Jacket Material	Polyethylene (PE)
Outer Jacket Color	Black
Maximum Fibers per Tube	12

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

96 F, 50 µm multimode (OM2)

CORNING

Mechanical Characteristics Cable

Max. Tensile Strength, Short-Term	2700 N (600 lbf)
Max. Tensile Strength, Long-Term	890 N (200 lbf)
Weight	371 kg/km (249 lb/1000 ft)
Nominal Outer Diameter	20.0 mm (0.86 in)
Min. Bend Radius Installation	300 mm (11.8 in)
Min. Bend Radius Operation	200 mm (7.9 in)

Chemical Characteristics

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

Fiber Specifications

Optical Characteristics (cabled)

Fiber Core Diameter	50 µm
Fiber Category	OM2
Fiber Code	T
Performance Option Code	31
Wavelengths	850 nm / 1300 nm
Maximum Attenuation	3.0 dB/km / 1.0 dB/km
Serial 1 Gigabit Ethernet	750 m / 500 m
Serial 10 Gigabit Ethernet	150 m / -
Min. Overfilled Launch (OFL) Bandwidth	700 MHz*km / 500 MHz*km
Minimum Effective Modal Bandwidth (EMB)	950 MHz*km / -

Notes: 1) 50 µm multimode fiber macrobend loss ≤ 0.2 dB at 850 nm for two turns around 7.5 mm radius mandrel.
2) Improved attenuation and bandwidth options available.
3) Bend-insensitive single-mode fibers available on request.
4) Contact a Corning Customer Care Representative for additional information.

Ordering Information

Part Number	096TU6-T4131A20
Product Description	ALTOS® Loose Tube, Gel-Filled, Triple-Jacket, Double-Armored Cable, 96 F, 50 µm multimode (OM2)

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

96 F, 50 μ m multimode (OM2)

The CORNING logo is a blue square with the word "CORNING" in white, uppercase, sans-serif font centered inside.

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.