

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

72 F, 50 µm multimode (OM2)

CORNING

Corning ALTOS® Lite™ single-jacket, single-armored cables are lightweight, reduced-diameter, armored cables designed for direct-buried, duct and aerial (lashed) installation. The loose tube design provides stable performance over a wide temperature range and is compatible with any telecommunications-grade optical fiber.

Features and Benefits

Flexible, craft-friendly buffer tubes

Facilitate easy routing in closures

SZ-stranded, loose tube design

Isolates fibers from installation and environmental rigors and facilitates mid-span access

Dielectric central strength member

No preferential bend and requires no bonding or grounding

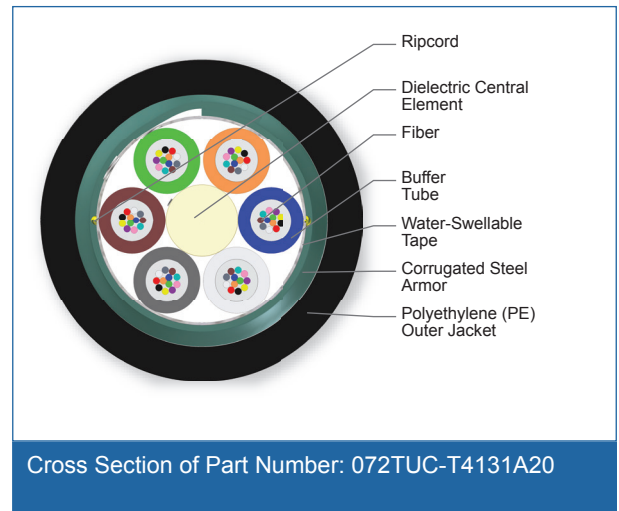
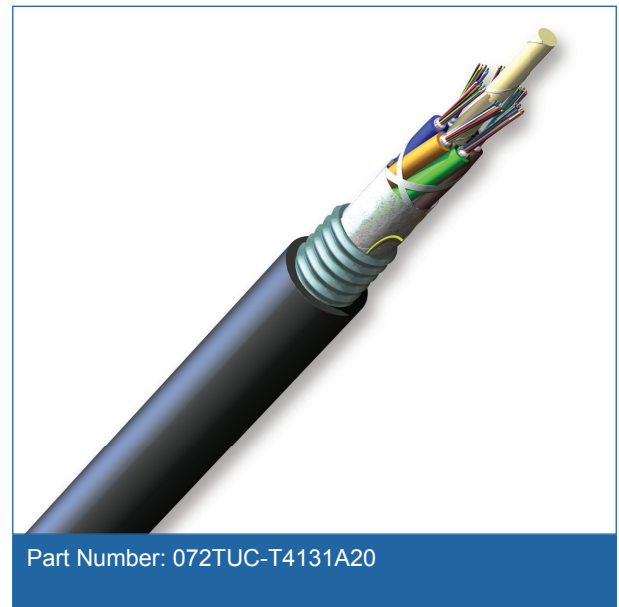
Medium-density polyethylene jacket

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

Standards

Approvals and Listings USDA Rural Development Programs

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



Specifications

| General Specifications | |
|------------------------|-----------------------------|
| Environment | Outdoor |
| Application | Aerial, Direct Buried, Duct |
| Cable Type | Loose Tube |

ALTOS[®] Lite[™] Loose Tube, Gel-Filled, Single-Jacket, Single-Armored Cable

72 F, 50 μm multimode (OM2)

CORNING

General Specifications

| | |
|----------------|----------------|
| 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 | 72 |
| Fiber Coloring | Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua |
| Fibers per Tube | 12 |
| Number of Tube Positions | 6 |
| Number of Active Tubes | 6 |
| Buffer Tube Color Coding | Blue, Orange, Green, Brown, Slate, White |
| Buffer Tube Diameter | 2.5 mm (0.1 in) |
| Tape | Water-swellable |
| Number of Ripcords | 2 |
| Tensile Strength Elements and/or Armoring - Layer 1 | Corrugated steel tape armor |
| Outer Jacket Material | Polyethylene (PE) |
| Outer Jacket Color | Black |

Mechanical Characteristics Cable

| | |
|-----------------------------------|---------------------------|
| Max. Tensile Strength, Short-Term | 2700 N (600 lbf) |
| Max. Tensile Strength, Long-Term | 890 N (200 lbf) |
| Weight | 136 kg/km (91 lb/1000 ft) |
| Nominal Outer Diameter | 12.1 mm (0.48 in) |
| Min. Bend Radius Installation | 182 mm (7.1 in) |
| Min. Bend Radius Operation | 121 mm (4.8 in) |

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

72 F, 50 µm multimode (OM2)

CORNING

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 | 072TUC-T4131A20 |
| Product Description | ALTOS® Lite™ Loose Tube, Gel-Filled, Single-Jacket, Single-Armored Cable, 72 F, 50 µm multimode (OM2) |
| EAN Code | 4056418157788 |



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.

CORNING