

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

60 F, 50 µm multimode (OM2)

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

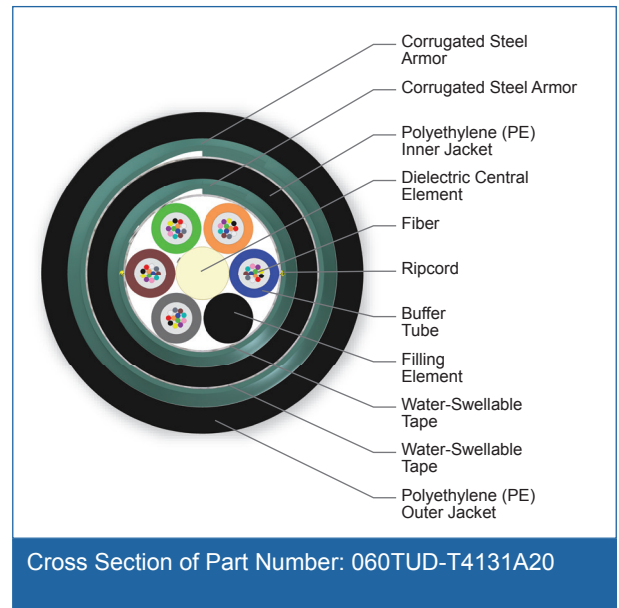
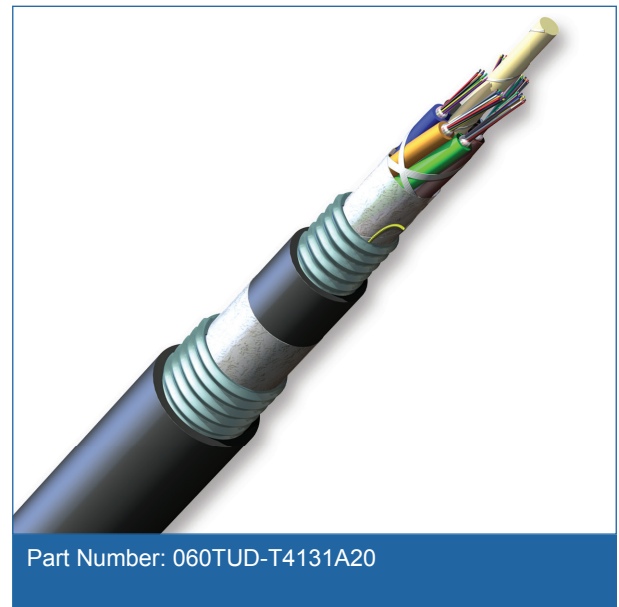
Exceeds the RDUP requirements for mid-span buffer tube slack storage

Provides flexibility for mid-span access applications

Standards

Approvals and Listings USDA Rural Development Programs

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



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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 | 60 |
| 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 | 5 |
| Buffer Tube Color Coding | Blue, Orange, Green, Brown, Slate |
| Buffer Tube Diameter | 2.5 mm (0.1 in) |
| Tape | Water-swellaable |
| Number of Filling Elements | 1 |
| Tensile Strength Elements and/or Armoring - Layer 1 | Corrugated steel tape armor |
| Inner Jacket Material | Polyethylene (PE) |
| Tape, Layer 2 | 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 |

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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 | 255 kg/km (171 lb/1000 ft) |
| Nominal Outer Diameter | 16.1 mm (0.63 in) |
| Min. Bend Radius Installation | 242 mm (9.5 in) |
| Min. Bend Radius Operation | 161 mm (6.3 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 | 060TUD-T4131A20 |
| Product Description | ALTOS® Lite™ Loose Tube, Gel-Filled, Double-Jacket, Double-Armored Cable, 60 F, 50 µm multimode (OM2) |

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

Notes



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