

ALTOS® Loose Tube, Gel-Filled Cable

60 F, 50 µm multimode (OM2)

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Corning ALTOS® all-dielectric cables are lightweight cables designed for 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

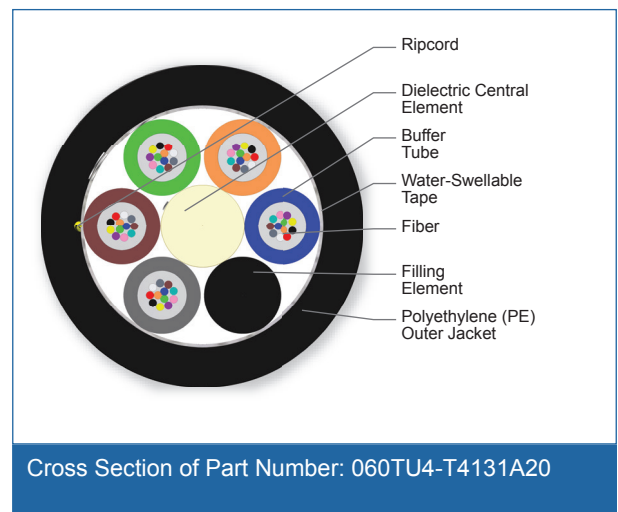
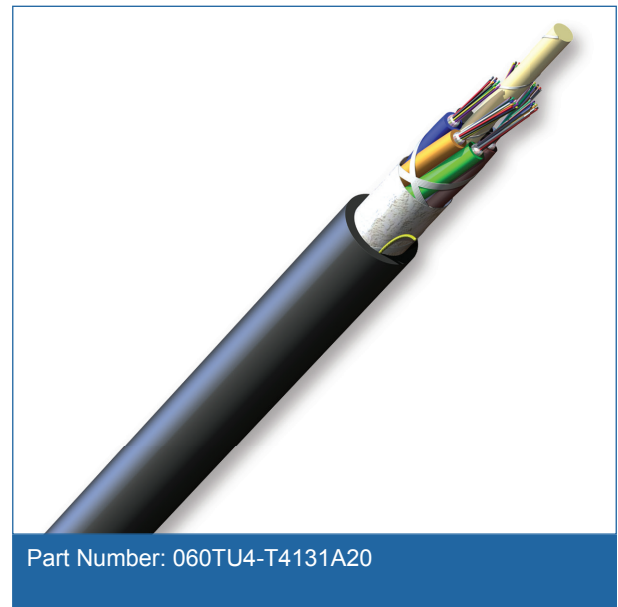
Medium-density polyethylene jacket

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, Duct |
| Cable Type | Loose Tube |

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General Specifications

| | |
|----------------|----------------|
| Product Type | Dielectric |
| 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) |
| Number of Filling Elements | 1 |
| Tape | Water-swellable |
| Number of Ripcords | 1 |
| Outer Jacket Material | Polyethylene (PE) |
| Outer Jacket Color | Black |
| Maximum Fibers per Tube | 12 |

Mechanical Characteristics Cable

| | |
|-----------------------------------|--------------------------|
| Max. Tensile Strength, Short-Term | 2700 N (600 lbf) |
| Max. Tensile Strength, Long-Term | 890 N (200 lbf) |
| Weight | 80 kg/km (54 lb/1000 ft) |
| Nominal Outer Diameter | 10.5 mm (0.41 in) |
| Min. Bend Radius Installation | 158 mm (6.2 in) |
| Min. Bend Radius Operation | 105 mm (4.1 in) |

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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 | 060TU4-T4131A20 |
| Product Description | ALTOS® Loose Tube, Gel-Filled Cable, 60 F, 50 µm multimode (OM2) |
| EAN Code | 4056418158716 |



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