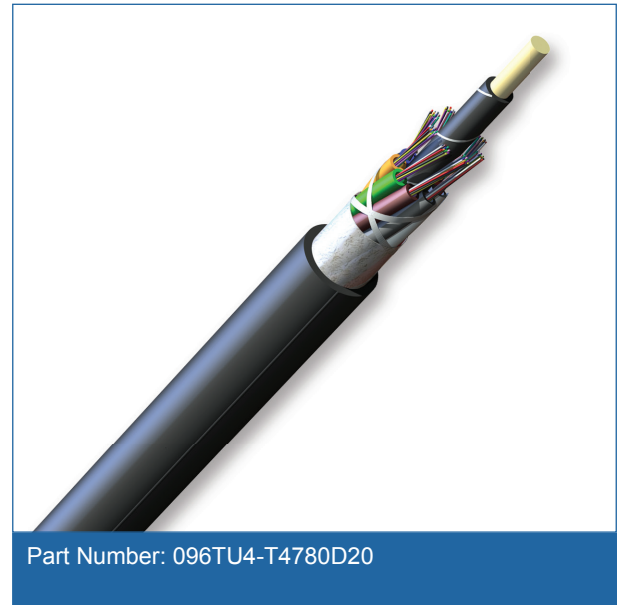


ALTOS® Loose Tube, Gel-Free, All-Dielectric Cable with FastAccess® Technology

96 F, 50 µm multimode (OM3)

CORNING

Corning ALTOS® cable with FastAccess® technology is an all-dielectric gel-free cable designed for outdoor and limited indoor use for campus backbones in lashed aerial and duct installations. The innovative FastAccess technology feature combined with the all-dielectric gel-free loose tube design simplifies removal of the cable jacket reducing cable end access time by at least 50 percent. Equally important is the overall reduction in risk of inadvertent fiber damage and risk to installers from sharp cable access tools. The cable is fully waterblocked using craft-friendly, water-swellable materials, which means no clean up is required. The flexible buffer tubes are easy to route in closures, and the SZ-stranded, loose tube design isolates fibers from installation and environmental rigors while allowing easy mid-span access. The all-dielectric gel-free cable construction requires no bonding or grounding, and these cables have a medium-density polyethylene jacket that is rugged, durable and easy to handle. A variety of fiber types are available including 62.5 µm and 50 µm, single-mode and hybrid versions, as well as fibers with Gigabit and 10 Gigabit Ethernet performance.



Part Number: 096TU4-T4780D20

Features and Benefits

Contains FastAccess® technology

Innovative cable jacket feature reduces cable end access time, reduces overall risk of inadvertent fiber damage, as well as, risk to installers from sharp cable access tools

Medium-density polyethylene jacket

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

Fully waterblocked loose tube all-dielectric gel-free design

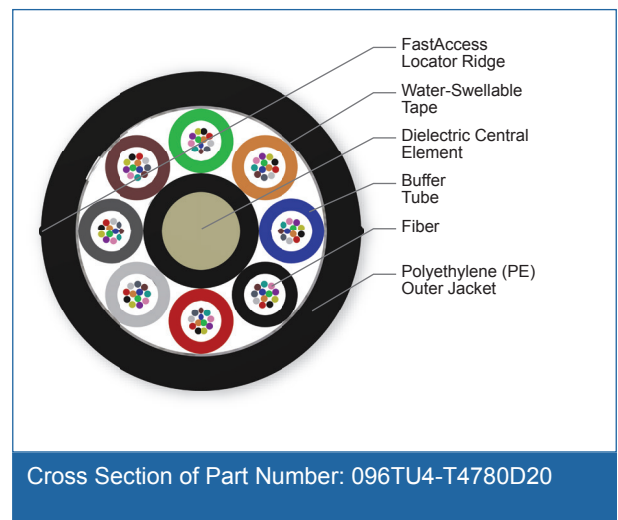
Simple access and no clean up

Industry-standard performance

Meets the requirements of Telcordia GR-20, Issue 3 and ICEA S-87-640

Available in 62.5 µm, 50 µm, single-mode and hybrid versions

Ready for any application including Gigabit Ethernet and 10 Gigabit Ethernet



Cross Section of Part Number: 096TU4-T4780D20

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Standards

Common Installations Outdoor lashed aerial and duct; indoor when installed according to National Electrical Code® (NEC®) Article 770

Design and Test Criteria ANSI/ICEA S-87-640

Specifications

| General Specifications | |
|------------------------|----------------|
| Environment | Outdoor |
| Application | Aerial, Duct |
| Cable Type | Loose Tube |
| Product Type | Dielectric |
| Fiber Category | 50 µm MM (OM3) |

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

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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 | 98 kg/km (66 lb/1000 ft) |
| Nominal Outer Diameter | 12.2 mm (0.48 in) |
| Min. Bend Radius Installation | 183 mm (7.2 in) |
| Min. Bend Radius Operation | 122 mm (4.8 in) |

Chemical Characteristics

| | |
|------|---|
| RoHS | Free of hazardous substances according to RoHS 2002/95/EG |
|------|---|

Fiber Specifications

Optical Characteristics (cabled)

| | |
|---|--------------------------|
| Fiber Core Diameter | 50 µm |
| Fiber Category | OM3 |
| Fiber Code | T |
| Performance Option Code | 80 |
| Wavelengths | 850 nm / 1300 nm |
| Maximum Attenuation | 3.0 dB/km / 1.0 dB/km |
| Serial 1 Gigabit Ethernet | 1000 m / 600 m |
| Serial 10 Gigabit Ethernet | 300 m / - |
| Min. Overfilled Launch (OFL) Bandwidth | 1500 MHz*km / 500 MHz*km |
| Minimum Effective Modal Bandwidth (EMB) | 2000 MHz*km / - |

* Meets 0.75 ns optical skew when used in all Corning Plug and Play™/EDGE™ systems solutions.

- 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.

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96 F, 50 µm multimode (OM3)



Ordering Information

| | |
|---------------------|--|
| Part Number | 096TU4-T4780D20 |
| Product Description | ALTOS® Loose Tube, Gel-Free, All-Dielectric Cable with FastAccess® Technology, 96 F, 50 µm multimode (OM3) |
| EAN Code | 4056418150987 |



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