# ALTOS® Loose Tube, Gel-Free, All-Dielectric Cable with FastAccess® Technology 24 F, Single-mode (OS2)

**Part Number:**
**024EU4-T4701D20**

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.

## 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

**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**

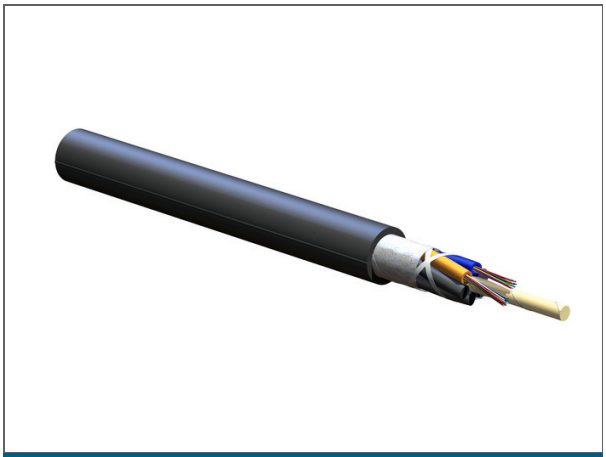
Simple access and no clean up

**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



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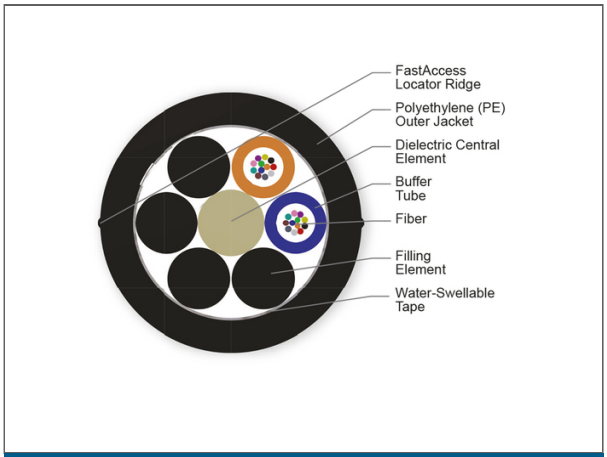


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CORNING

## Specifications

| General Specifications | |
|---|---|
| Installation Methods | Aerial,  Duct |
| Cable Type | Loose Tube |
| Environment | Outdoor |
| Product Type | Dielectric |
| Fiber Category | Single-mode (OS2) |
| Cable geometry | Round |

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

| Environmental Conditions | |
|---|---|
| Notes | Corning recommends storing cable in a proper temperature environment prior to installation to allow the cable temperature to meet installation temperature range specifications for best installation results. |
| Temperature Range, Installation | -30 °C  to  70 °C  (-22 °F  to  158 °F  ) |
| Temperature Range, Operation | -40 °C  to  70 °C  (-40 °F  to  158 °F  ) |
| Temperature Range, Storage | -40 °C  to  70 °C  (-40 °F  to  158 °F  ) |

| Cable Design | |
|---|---|
| Central Element | Dielectric |
| Fiber Count | 24 |
| Outer Jacket Color | Black |
| Outer Jacket Material | Polyethylene (PE) |
| Buffer Tube Color | Blue, Orange |

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| Cable Design | |
|---|---|
| Buffer Tube Diameter | 2.5 mm (0.1 in) |
| Number of Active Tubes | 2 |
| Number of Filling Elements | 4 |
| Number of Tube Positions | 6 |
| Tape | Water-swellable |
| Fiber Coloring | Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua |
| Fibers per Tube | 12 |
| Color Code Standards | Telcordia |

| Mechanical Specifications | |
|---|---|
| Max. Tensile Strength, Long-Term | 890 N (200.08 lbf) |
| Max. Tensile Strength, Short-Term | 2700 N (606.98 lbf) |
| Nominal Outer Diameter | 10.5 mm (0.41 in ) |
| Min. Bend Diameter Installation | 316 mm (12.44 in) |
| Min. Bend Diameter Operation | 210 mm (8.27 in) |

| Optical Characteristics | |
|---|---|
| Fiber Code | E |
| Performance Option Code | 01 |
| Fiber Category | OS2 |
| Fiber Type | Single-mode (OS2) / 250 µm |
| Fiber Name | Single-mode (OS2) |
| Maximum Attenuation | 0.4 dB/km / 0.4 dB/km / 0.3 dB/km |
| Wavelengths | 1310 nm / 1383 nm / 1550 nm |
| Fiber Compliance | ITU-T G.652.D |

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| Dimensions | |
|---|---|
| Cable Weight | 73 kg/km (49.05 lb/1000 ft) |

RoHS COMPLIANT

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