

ALTOS® Loose Tube, Gel-Free, Double-Jacket, Single-Armored Cable

24 F, Single-mode (OS2)

CORNING

ALTOS® gel-free, double-jacket, single-armored cables are rugged, armored cables designed for direct-buried installation while suitable 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

Gel-free waterblocking technology

Craft-friendly cable preparation

Corrugated steel tape armor

Provides rodent resistance for direct-buried applications

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

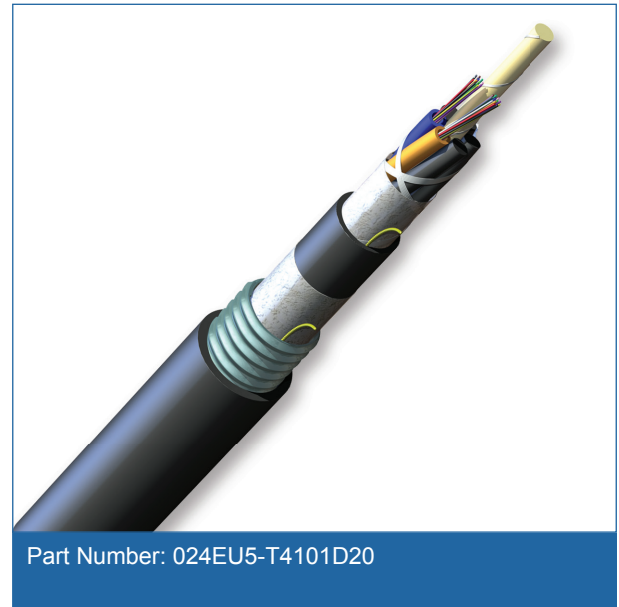
Medium-density polyethylene jacket

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

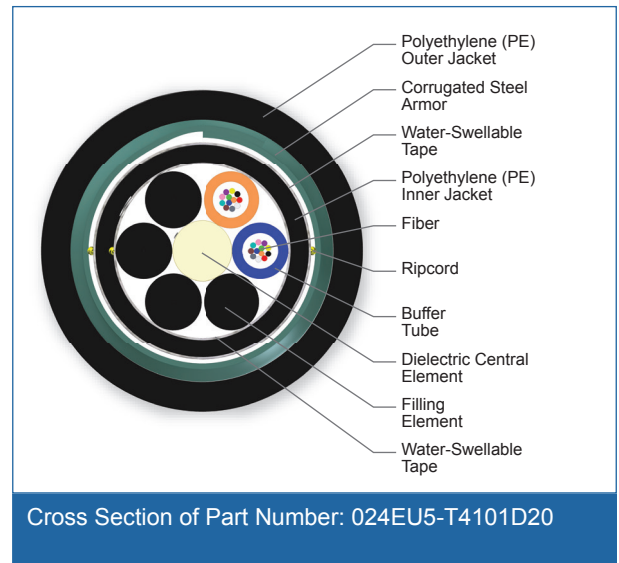
Standards

Approvals and Listings USDA Rural Development Programs

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



Part Number: 024EU5-T4101D20



Cross Section of Part Number: 024EU5-T4101D20

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Specifications

General Specifications

| | |
|----------------|-----------------------|
| Environment | Outdoor |
| Application | Aerial, Direct Buried |
| Cable Type | Loose Tube |
| Product Type | Armored |
| Fiber Category | Single-mode (OS2) |

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 | 24 |
| 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 | 2 |
| Buffer Tube Color Coding | Blue, Orange |
| Buffer Tube Diameter | 2.5 mm (0.1 in) |
| Number of Filling Elements | 4 |
| Tape | Water-swellable |
| Inner Jacket Material | Polyethylene (PE) |
| Tape, Layer 2 | Water-swellable |
| Number of Ripcords | 3 |
| 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) |

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Mechanical Characteristics Cable

| | |
|-------------------------------|----------------------------|
| Weight | 179 kg/km (120 lb/1000 ft) |
| Nominal Outer Diameter | 14.3 mm (0.56 in) |
| Min. Bend Radius Installation | 215 mm (8.4 in) |
| Min. Bend Radius Operation | 143 mm (5.6 in) |

Chemical Characteristics

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

Fiber Specifications

Optical Characteristics (cabled)

| | |
|-------------------------|-----------------------------------|
| Fiber Name | Single-mode (OS2) |
| Fiber Category | G.652.D |
| Fiber Code | E |
| Performance Option Code | 01 |
| Wavelengths | 1310 nm / 1383 nm / 1550 nm |
| Maximum Attenuation | 0.4 dB/km / 0.4 dB/km / 0.3 dB/km |

Ordering Information

| | |
|---------------------|---|
| Part Number | 024EU5-T4101D20 |
| Product Description | ALTOS® Loose Tube, Gel-Free, Double-Jacket, Single-Armored Cable, 24 F, Single-mode (OS2) |
| EAN Code | 4056418184791 |



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