

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

24 F, 62.5 µm multimode (OM1)

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

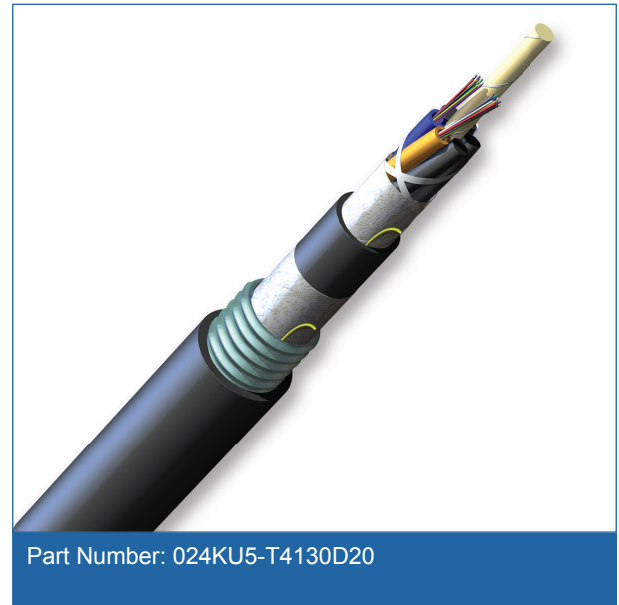
Medium-density polyethylene jacket

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

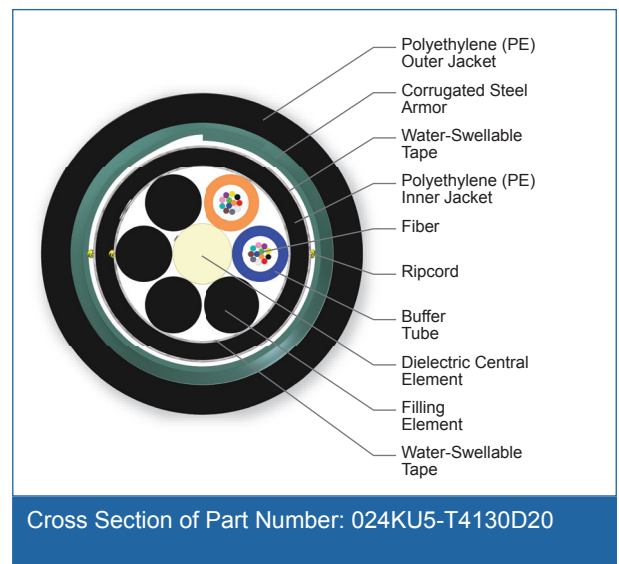
Standards

Approvals and Listings USDA Rural Development Programs

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



Part Number: 024KU5-T4130D20



Cross Section of Part Number: 024KU5-T4130D20

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

24 F, 62.5 μ m multimode (OM1)

CORNING

Specifications

General Specifications

| | |
|----------------|-----------------------|
| Environment | Outdoor |
| Application | Aerial, Direct Buried |
| Cable Type | Loose Tube |
| Product Type | Armored |
| Fiber Category | 62.5 μ m MM (OM1) |

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) |

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

24 F, 62.5 µm multimode (OM1)

CORNING

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 Core Diameter | 62.5 µm |
| Fiber Category | OM1 |
| Fiber Code | K |
| Performance Option Code | 30 |
| Wavelengths | 850 nm / 1300 nm |
| Maximum Attenuation | 3.4 dB/km / 1.0 dB/km |
| Serial 1 Gigabit Ethernet | 300 m / 550 m |
| Serial 10 Gigabit Ethernet | 33 m / - |
| Min. Overfilled Launch (OFL) Bandwidth | 200 MHz*km / 500 MHz*km |
| Minimum Effective Modal Bandwidth (EMB) | 220 MHz*km / - |

Notes: 1) Improved attenuation and bandwidth options available.
2) Bend-insensitive single-mode fibers available on request.
3) Contact a Corning Customer Care Representative for additional information.

Ordering Information

| | |
|---------------------|---|
| Part Number | 024KU5-T4130D20 |
| Product Description | ALTOS® Loose Tube, Gel-Free, Double-Jacket, Single-Armored Cable, 24 F, 62.5 µm multimode (OM1) |
| EAN Code | 4056418176970 |

CORNING

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

24 F, 62.5 µm multimode (OM1)

The CORNING logo is displayed in white, uppercase letters within a solid blue square.

Notes



Corning Optical Communications LLC • PO Box 489 • Hickory, NC 28603-0489 USA

800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • www.corning.com/opcomm

A complete listing of the trademarks of Corning Optical Communications is available at www.corning.com/opcomm/trademarks.

All other trademarks are the properties of their respective owners. Corning Optical Communications is ISO 9001 certified.

© 2016 Corning Optical Communications. All rights reserved.