

# ALTOS® Double-Jacket, Single-Armored Cables, 12-432 Fibers, Enhanced

96 F, 62.5 µm multimode (OM1)

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ALTOS® 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

### Flexible, craft-friendly buffer tubes

Facilitate easy routing in closures

### Two jacket layers and two steel tape armor layers

Provide superior rodent resistance for direct-buried applications

### Innovative waterblocking design

Provides efficient and craft-friendly cable preparation

### 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)

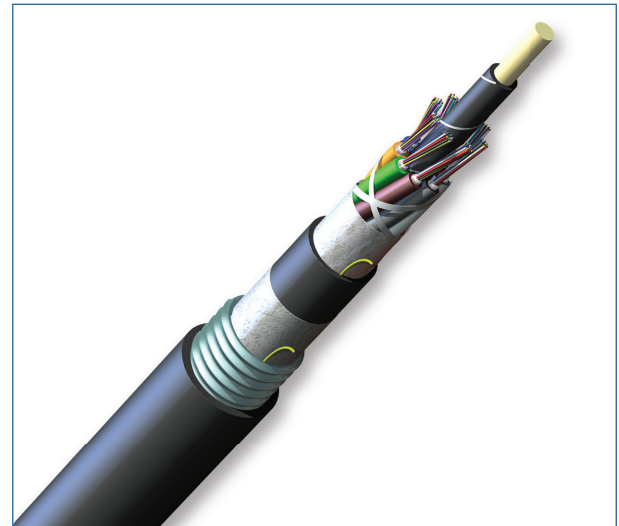
## Standards

### Approvals and Listings

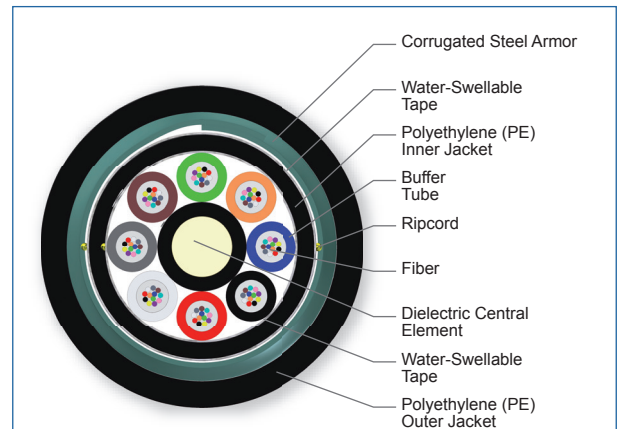
USDA Rural Development Programs

### Design and Test Criteria

Telcordia GR-20, ICEA-640



Part Number: 096KU5-T4130A20



Cross Section of Part Number: 096KU5-T4130A20

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## Specifications

### General Specifications

Environment	Outdoor
Application	Aerial, Direct Buried
Cable Type	Loose Tube
Product Type	Armored
Fiber Category	62.5 µm 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	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-swellaable
Inner Jacket Material	Polyethylene (PE)
Tape, Layer 2	Water-swellaable
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
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)

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## Mechanical Characteristics Cable

Weight	219 kg/km (147 lb/1000 ft)
Nominal Outer Diameter	16.0 mm (0.63 in)
Min. Bend Radius Installation	240 mm (9.4 in)
Min. Bend Radius Operation	160 mm (6.3 in)

## Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
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## 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	096KU5-T4130A20
Product Description	ALTOS® Loose Tube, Gel-Filled, Double-Jacket, Single-Armored Cable, 96 F, 62.5 µm multimode (OM1)
EAN Code	4056418163550

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The Corning logo consists of a solid blue square with the word "CORNING" in white, uppercase, sans-serif font centered within it.

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## *Notes*



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