ALTOS® Loose Tube, Gel-Free, Double-Jacket, Single-Armored Cable 216 F, 62.5 µm multimode (OM1)

Part Number:
216KU5-T4130D20

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

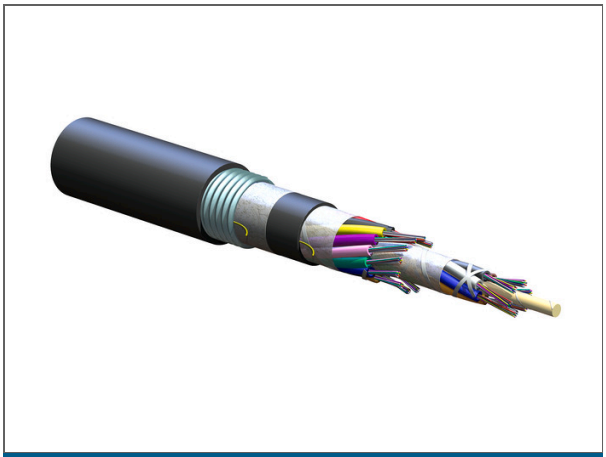
Corrugated steel tape armor
Provides rodent resistance for direct-buried applications

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

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



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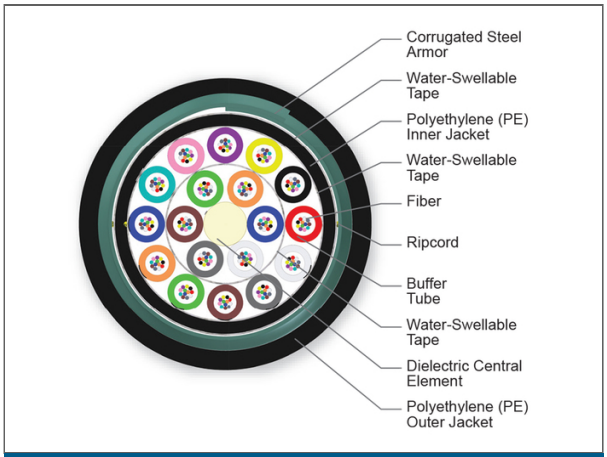

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Specifications

General Specifications	
Installation Methods	Aerial, Direct Buried
Cable Type	Loose Tube
Environment	Outdoor
Product Type	Dielectric armor
Fiber Category	62.5 µm MM (OM1)
Cable geometry	Round

Standards	
RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Approvals and Listings	USDA Rural Development Programs
Design and Test Criteria	Telcordia GR-20, ICEA-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	216
Number of Ripcords	3
Buffer Tube Color Coding, Layer 1	Blue, Orange, Green, Brown, Slate, White
Outer Jacket Color	Black

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Cable Design	
Outer Jacket Material	Polyethylene (PE)
Tensile Strength Elements and/or Armoring - Layer 1	Corrugated steel tape armor
Buffer Tube Diameter	2.5 mm (0.1 in)
Inner Jacket Material	Polyethylene (PE)
Number of Active Tubes	18
Number of Tube Positions	18
Tape	Water-swellable
Tape, Layer 1	Water-swellable
Tape, Layer 2	Water-swellable
Tape, Layer 3	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	19.9 mm (0.78 in)
Min. Bend Diameter Installation	598 mm (23.54 in)
Min. Bend Diameter Operation	398 mm (15.67 in)

Optical Characteristics	
Fiber Code	K
Performance Option Code	30
Fiber Category	OM1
Fiber Type	Multimode
Fiber Name	62.5 µm MM (OM1)
Maximum Attenuation	3.4 dB/km / 1.0 dB/km

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Optical Characteristics	
Wavelengths	850 nm / 1300 nm
Fiber Compliance	ISO/IEC 11801
Fiber Core Diameter	62.5 µm
Coating diameter	242 µm
Serial 1 Gigabit Ethernet	300 m / 550 m
Serial 10 Gigabit Ethernet	33 m / -
Minimum Effective Modal Bandwidth (EMB)	220 MHz*km / -
Min. Overfilled Launch (OFL) Bandwidth	200 MHz*km / 500 MHz*km

Dimensions	
Cable Weight	312 kg/km (209.65 lb/1000 ft)

RoHS COMPLIANT

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