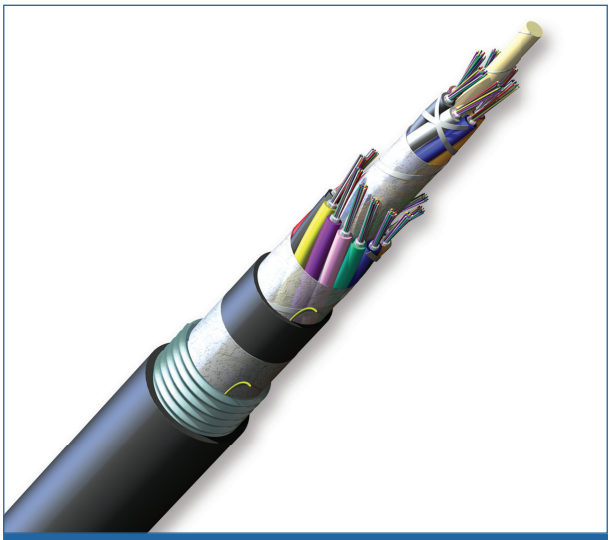
ALTOS® Double-Jacket, Single-Armored Cables, 12-432 Fibers, Enhanced

216 F, 62.5 µm multimode (OM1)

CORNING

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.



Part Number: 216KU5-T4130A20

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

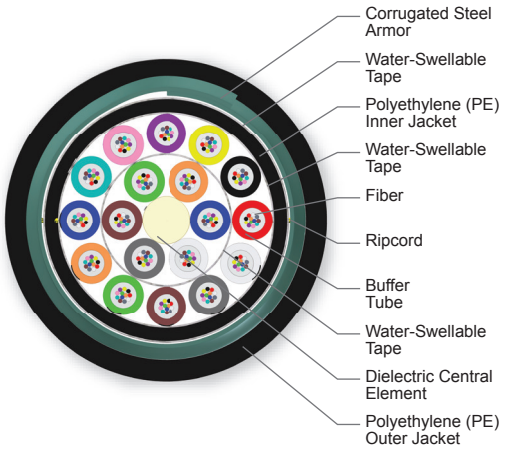
Innovative waterblocking design
Provides efficient and craft-friendly cable preparation

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



Cross Section of Part Number: 216KU5-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	216
Fiber Coloring	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Fibers per Tube	12
Number of Tube Positions	18
Number of Active Tubes	18
Buffer Tube Color Coding, Layer 1	Blue, Orange, Green, Brown, Slate, White
Buffer Tube Diameter	2.5 mm (0.1 in)
Tape	Water-swellable
Buffer Tube Color Coding, Layer 2	Red, Black, Yellow, Violet, Rose, Aqua, Blue*, Orange*, Green*, Brown*, Slate*, White*
Tape, Layer 2	Water-swellable
Inner Jacket Material	Polyethylene (PE)
Tape, Layer 3	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
Maximum Fibers per Tube	12

Notes: *Tubes 13 to 24 include a co-extruded stripe that is white for the black tube and black for all other tube colors.*

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Mechanical Characteristics Cable	
Max. Tensile Strength, Short-Term	2700 N (600 lbf)
Max. Tensile Strength, Long-Term	890 N (200 lbf)
Weight	312 kg/km (209 lb/1000 ft)
Nominal Outer Diameter	19.9 mm (0.78 in)
Min. Bend Radius Installation	299 mm (11.8 in)
Min. Bend Radius Operation	199 mm (7.8 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	216KU5-T4130A20
Product Description	ALTOS® Loose Tube, Gel-Filled, Double-Jacket, Single-Armored Cable, 216 F, 62.5 µm multimode (OM1)
EAN Code	4056418162898

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Notes

RoHS COMPLIANT

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