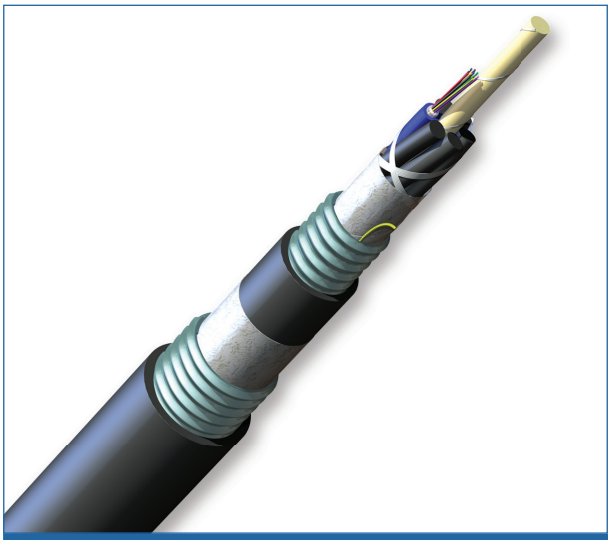
ALTOS® Lite™ Loose Tube, Gel-Filled, Double-Jacket, Double-Armored Cable

12 F, 62.5 µm multimode (OM1)

CORNING

Corning ALTOS® Lite™ double-jacket, double-armored cables are rugged cables designed for direct-buried installations. The loose tube design provides stable performance over a wide temperature range and is compatible with any telecommunications-grade optical fiber.



Part Number: 012KUD-T4130A20

Features and Benefits

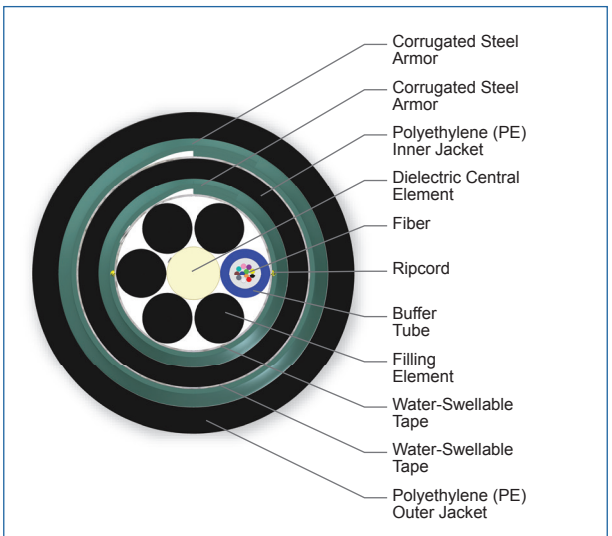
Two jacket layers and two steel tape armor layers
Provides superior rodent resistance for direct-buried applications

Flexible, craft-friendly buffer tubes
Facilitate easy routing in closures

Cable core features innovative waterblocking technology
Eliminates the need for traditional flooding compound and provides efficient and craft-friendly cable preparation

Medium-density polyethylene jacket
Makes cable rugged and durable while being flexible and easy to strip

Exceeds the RDUP requirements for mid-span buffer tube slack storage
Provides flexibility for mid-span access applications



Cross Section of Part Number: 012KUD-T4130A20

Standards

Approvals and Listings	USDA Rural Development Programs
Design and Test Criteria	Telcordia GR-20, ICEA-640

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Specifications

General Specifications	
Environment	Outdoor
Application	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	12
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	1
Buffer Tube Color Coding	Blue
Buffer Tube Diameter	2.5 mm (0.1 in)
Tape	Water-swellable
Number of Filling Elements	5
Tensile Strength Elements and/or Armoring - Layer 1	Corrugated steel tape armor
Inner Jacket Material	Polyethylene (PE)
Tape, Layer 2	Water-swellable
Number of Ripcords	4
Tensile Strength Elements and/or Armoring - Layer 2	Corrugated steel tape armor
Outer Jacket Material	Polyethylene (PE)
Outer Jacket Color	Black

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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	255 kg/km (171 lb/1000 ft)
Nominal Outer Diameter	16.1 mm (0.63 in)
Min. Bend Radius Installation	242 mm (9.5 in)
Min. Bend Radius Operation	161 mm (6.3 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	012KUD-T4130A20
Product Description	ALTOS® Lite™ Loose Tube, Gel-Filled, Double-Jacket, Double-Armored Cable, 12 F, 62.5 µm multimode (OM1)
EAN Code	4056418171838

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Notes

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