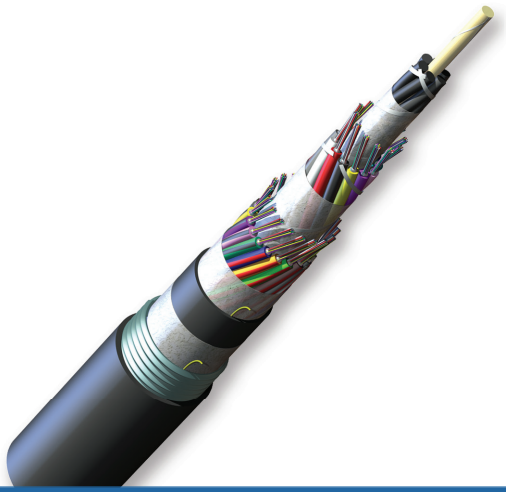
ALTOS® Double-Jacket, Single-Armored Cables, 12-432 Fibers, Enhanced

360 F, 50 µm multimode (OM2)

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: 360TU5-T4131A20

Features and Benefits

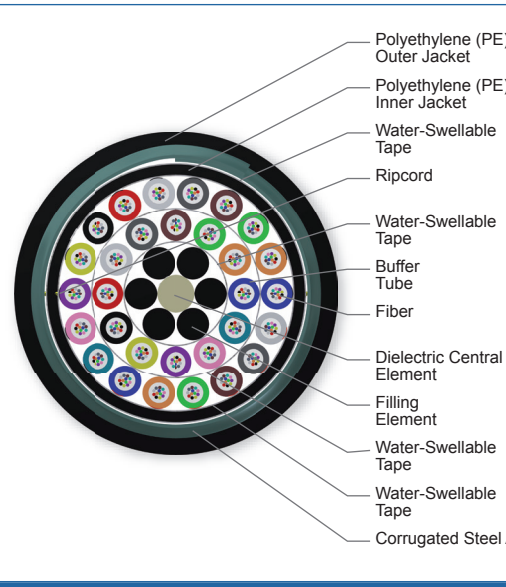
Flexible, craft-friendly buffer tubes
Facilitate easy routing in closures

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)



Cross Section of Part Number: 360TU5-T4131A20

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	Aerial, Direct Buried
Cable Type	Loose Tube
Product Type	Armored
Fiber Category	50 µm MM (OM2)

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	360
Fiber Coloring	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Fibers per Tube	12
Number of Tube Positions	36
Number of Active Tubes	30
Buffer Tube Color Coding, Layer 1	6 Fillers
Buffer Tube Diameter	2.5 mm (0.1 in)
Number of Filling Elements	6
Tape	Water-swellable
Buffer Tube Color Coding, Layer 2	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Tape, Layer 2	Water-swellable
Buffer Tube Color Coding, Layer 3	Blue*, Orange*, Green*, Brown*, Slate*, White*, Red*, Black*, Yellow*, Violet*, Rose*, Aqua*, Blue**, Orange**, Green**, Brown**, Slate**, White**
Tape, Layer 3	Water-swellable
Inner Jacket Material	Polyethylene (PE)
Tape, Layer 4	Water-swellable
Number of Ripcords	3

Notes: *Tubes 13 to 24 include a co-extruded stripe that is white for the black tube and black for all other tube colors.*
Notes: *Tubes 25 to 36 include a co-extruded stripe that is white for the red tube and red for all other tube colors.*

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Cable Design	
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.*
Notes: *Tubes 25 to 36 include a co-extruded stripe that is white for the red tube and red for all other tube colors.*

Mechanical Characteristics Cable	
Max. Tensile Strength, Short-Term	2700 N (600 lbf)
Max. Tensile Strength, Long-Term	890 N (200 lbf)
Weight	469 kg/km (315 lb/1000 ft)
Nominal Outer Diameter	25.4 mm (1.0 in)
Min. Bend Radius Installation	381 mm (15.0 in)
Min. Bend Radius Operation	254 mm (10.0 in)

Chemical Characteristics	
RoHS	Free of hazardous substances according to RoHS 2002/95/EG

Fiber Specifications

Optical Characteristics (cabled)	
Fiber Core Diameter	50 µm
Fiber Category	OM2
Fiber Code	T
Performance Option Code	31
Wavelengths	850 nm / 1300 nm
Maximum Attenuation	3.0 dB/km / 1.0 dB/km
Serial 1 Gigabit Ethernet	750 m / 500 m
Serial 10 Gigabit Ethernet	150 m / -
Min. Overfilled Launch (OFL) Bandwidth	700 MHz*km / 500 MHz*km
Minimum Effective Modal Bandwidth (EMB)	950 MHz*km / -

Notes: 1) *50 µm multimode fiber macrobend loss ≤ 0.2 dB at 850 nm for two turns around 7.5 mm radius mandrel.*
2) *Improved attenuation and bandwidth options available.*
3) *Bend-insensitive single-mode fibers available on request.*
4) *Contact a Corning Customer Care Representative for additional information.*

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Ordering Information

Part Number	360TU5-T4131A20
Product Description	ALTOS® Loose Tube, Gel-Filled, Double-Jacket, Single-Armored Cable, 360 F, 50 µm Multimode (OM2)

RoHS COMPLIANT

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