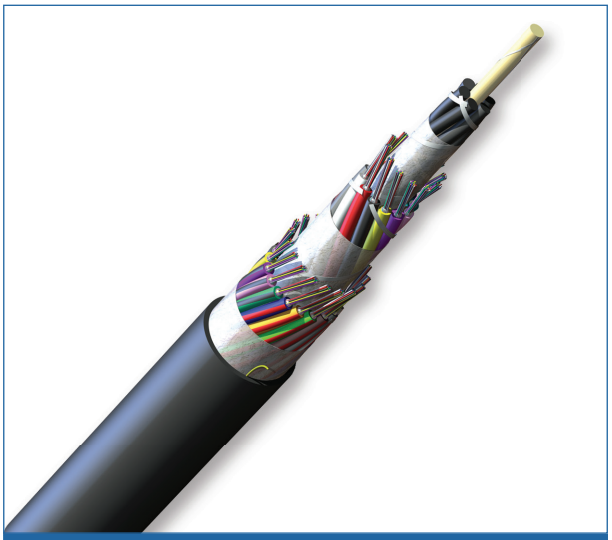
ALTOS® Loose Tube, Gel-Filled Cable

360 F, 50 µm multimode (OM2)

CORNING

Corning ALTOS® all-dielectric cables are lightweight cables designed 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: 360TU4-T4131A20

Features and Benefits

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

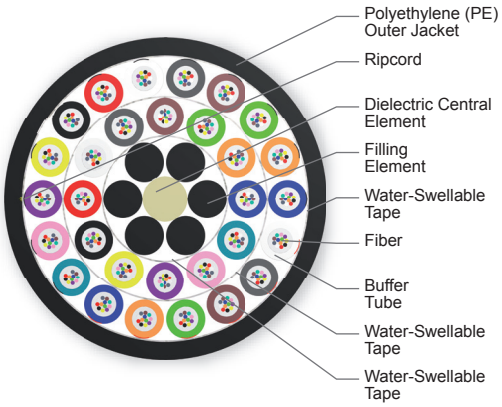
SZ-stranded, loose tube design
Isolates fibers from installation and environmental rigors and facilitates mid-span access

Dielectric central strength member
No preferential bend and requires no bonding or grounding

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: 360TU4-T4131A20

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Specifications

General Specifications	
Environment	Outdoor
Application	Aerial, Duct
Cable Type	Loose Tube
Product Type	Dielectric
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**
Number of Ripcords	1
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.*

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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	288 kg/km (194 lb/1000 ft)
Nominal Outer Diameter	21.2 mm (0.83 in)
Min. Bend Radius Installation	318 mm (12.5 in)
Min. Bend Radius Operation	212 mm (8.3 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	360TU4-T4131A20
Product Description	ALTOS® Loose Tube, Gel-Filled Cable, 360 F, 50 µm Multimode (OM2)

RoHS COMPLIANT

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