

ALTOS® Loose Tube, Gel-Filled Cable

360 fibres, 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 fibre.

Features and Benefits

Flexible, craft-friendly buffer tubes

Facilitate easy routing in closures

SZ-stranded, loose tube design

Isolates fibres from installation and environmental rigors and facilitates mid-span access

Dielectric central strength member

No preferential bend and requires no bonding or grounding

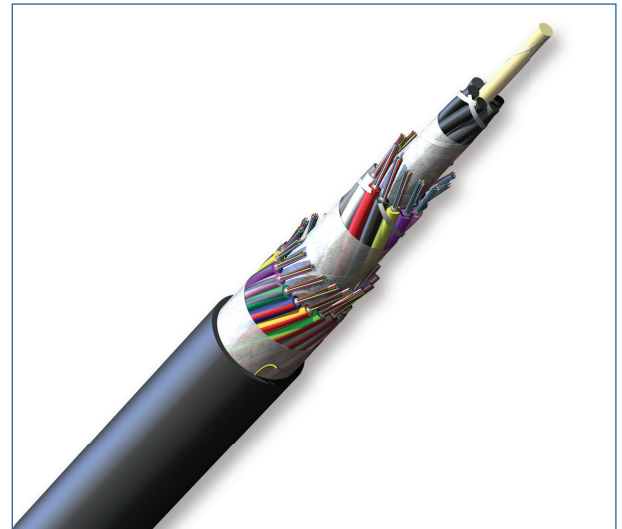
Medium-density polyethylene jacket

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

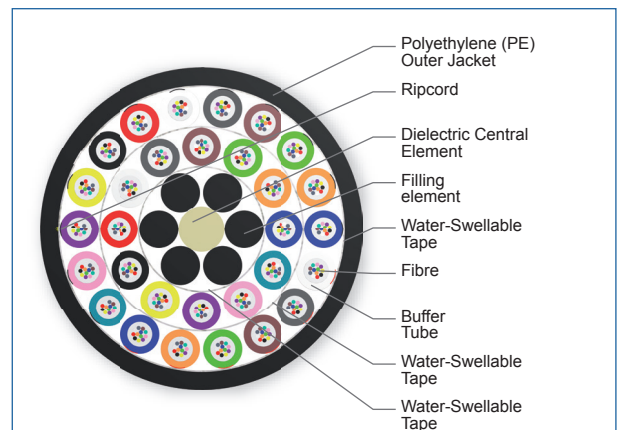
Standards

Approvals and Listings USDA Rural Development Programs

Design And Test Criteria Telcordia GR-20, ICEA-640



Part Number: 360TU4-T4131A20



Cross Section of Order Number: 360TU4-T4131A20

Specifications

General Specifications	
Environment	Outdoor
Application	Aerial, Duct
Cable type	Loose Tube

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General Specifications

Product type	Dielectric
Fibre Category	50 µm MM (OM2)

Temperature Range

Storage	-40 °C to 70 °C (-40 °F to 158 °F)
Installation and assembly	-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
Fibre Count	360
Fibre colouring	Blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise
Fibres per tube	12
Number of Tube Positions	36
Number of Active Tubes	30
Buffer tube colour coding, Layer 1	
Buffer tube diameter	2.5 mm (0.1 in)
Number of filling elements	6
Tape	Water-swellaable
Buffer tube colour coding, Layer 2	Blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise
Tape, Layer 2	Water-swellaable
Buffer tube colour coding, Layer 3	
Number of ripcords	1
Outer jacket material	Polyethylene (PE)
Outer jacket colour	black
Maximum Fibres 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 colours

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

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)

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Mechanical Characteristics Cable

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 2011/65/EU
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Fibre Specifications

Optical Characteristics (cabled)

Fibre core diameter	50 µm
Fibre Category	OM2
Fibre 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 fibre 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 fibres available on request.
4) Contact a Corning Customer Care Representative for additional information

Ordering Information

Part Number	360TU4-T4131A20
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