

ALTOS® Lite Loose Tube, Gel-Filled, Single-Jacket, Single-Armoured Cable

360 fibres, single-mode (OS2)

CORNING

Corning ALTOS® Lite single-jacket, single-armoured cables are lightweight, reduced-diameter, armoured cables designed for direct-buried, 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

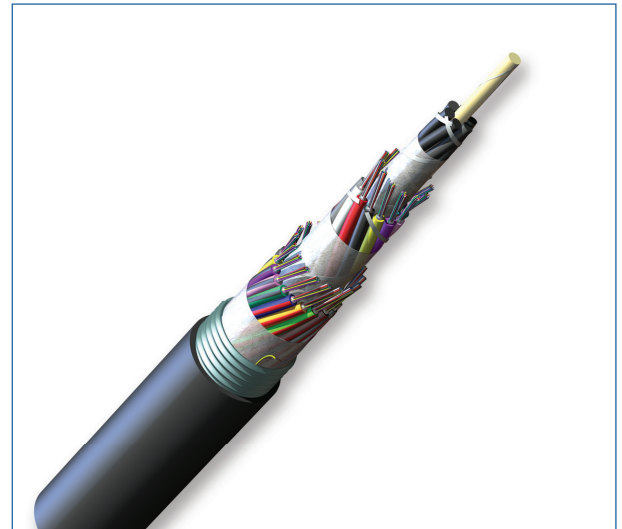
Medium-density polyethylene jacket

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

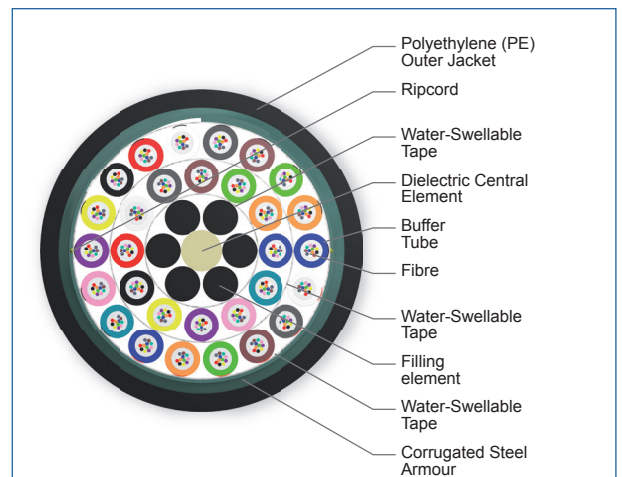
Standards

Approvals and Listings	USDA Rural Development Programs
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Design And Test Criteria	Telcordia GR-20, ICEA-640
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Part Number: 360EUC-T4101A20



Cross Section of Order Number: 360EUC-T4101A20

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Specifications

General Specifications

Environment	Outdoor
Application	Aerial, Direct Buried, Duct
Cable type	Loose Tube
Product type	Armoured
Fibre Category	Single-mode (OS2)

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	6 Fillers
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	Blue*, Orange*, Green*, Brown*, Slate*, White*, Red*, Black*, Yellow*, Violet*, Pink*, Turquoise*, Blue**, Orange**, Green**, Brown**, Slate**, White**
Tape, Layer 3	Water-swellaable
Number of ripcords	2
Tensile Strength Elements and/or Armouring - Layer 1	Corrugated steel tape armour
Outer jacket material	Polyethylene (PE)
Outer jacket colour	Black

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

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Outer jacket material	Polyethylene (PE)
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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	400 kg/km (269 lb/1000 ft)
Nominal Outer Diameter	23.2 mm (0.91 in)
Min. Bend Radius Installation	348 mm (13.7 in)
Min. Bend Radius Operation	232 mm (9.1 in)

Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
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Ordering Information

Part Number	360EUC-T4101A20
Product Description	ALTOS® Lite Loose Tube, Gel-Filled, Single-Jacket, Single-Armoured Cable, 360 fibres, Single-mode (OS2)
EAN Code	4056418152608



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