

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

96 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

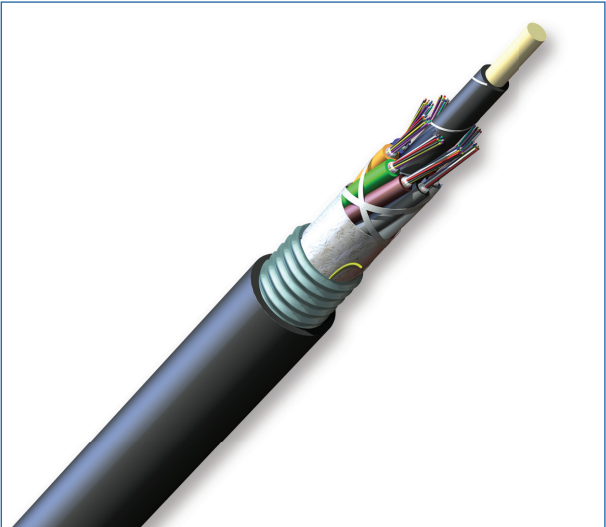
Standards

Approvals and Listings

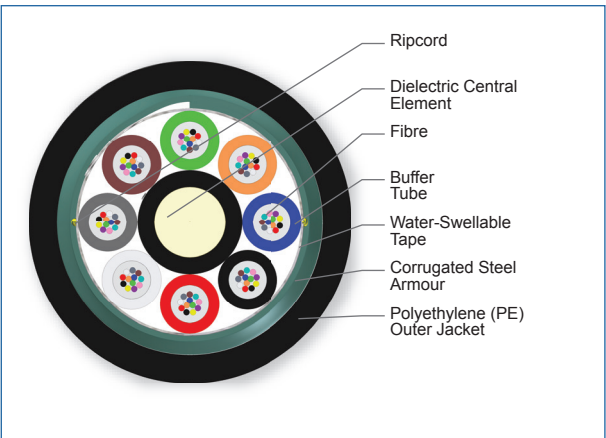
USDA Rural Development Programs

Design And Test Criteria

Telcordia GR-20, ICEA-640



Part Number: 096EUC-T4101A20



Cross Section of Order Number: 096EUC-T4101A20

Specifications

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

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General Specifications

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	96
Fibre colouring	Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Violet, Pink, Turquoise
Fibres per tube	12
Number of Tube Positions	8
Number of Active Tubes	8
Buffer tube colour coding	Blue, Orange, Green, Brown, Grey, White, Red, Black
Buffer tube diameter	2.5 mm (0.1 in)
Tape	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

Mechanical Characteristics Cable

Max. tensile strength, short-term	2700 N (600 lbf)
Max. Tensile Strength, Long-Term	890 N (200 lbf)
Weight	173 kg/km (116 lb/1000 ft)
Nominal Outer Diameter	13.8 mm (0.54 in)
Min. Bend Radius Installation	207 mm (8.1 in)
Min. Bend Radius Operation	138 mm (5.4 in)

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Chemical Characteristics

RoHS

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

Ordering Information

Part Number	096EUC-T4101A20
Product Description	ALTOS® Lite Loose Tube, Gel-Filled Single-Jacket, Single-Armoured Cable, 96 fibres, Single-mode (OS2)
EAN Code	4056418185293



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