

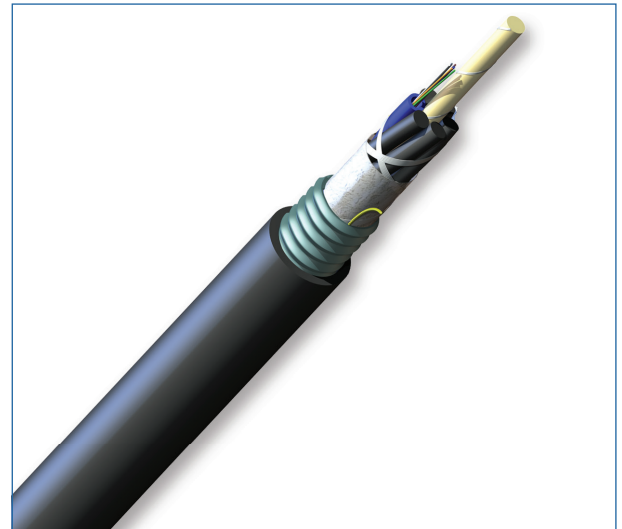
ALTOS® Lite Loose Tube, Gel-Free, Single-Jacket, Single-Armoured Cable

6 fibres, 50 µm multimode (OM4)

CORNING

Corning ALTOS® Lite gel-free, single-jacket, single-armoured cables are designed for campus backbones in direct-buried installations. The loose tube design provides stable and highly reliable transmission parameters for a variety of voice, data, video and imaging applications. These cables also provide high-fibre density within a given cable diameter while allowing flexibility to suit many system configurations.

The single armored construction provides additional crush and rodent protection with a high-strength ripcord under the armor for easy stripping. Gel-free means the cables are fully waterblocked using craft-friendly, water-swallowable materials which make cable access simple and require no clean up. The flexible, craft-friendly buffer tubes are easy to route in closures, and the SZ-stranded, loose tube design isolates fibres from installation and environmental rigors while allowing easy mid-span access. These cables have a medium density polyethylene jacket that is rugged, durable and easy to strip.



Part Number: 006TUC-T4190D20

Features and Benefits

Gel-free waterblocking technology

Craft-friendly cable preparation

Medium-density polyethylene jacket

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

Corrugated steel tape armour

Provides rodent resistance for direct-buried applications

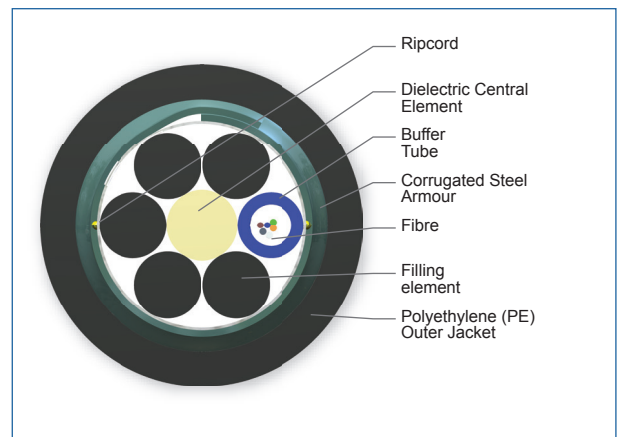
Standards

Common Installations

Outdoor lashed aerial, duct and direct-buried; indoor when installed according to National Electrical Code® (NEC®) Article 770

Design And Test Criteria

ANSI/ICEA S-87-640



Cross Section of Order Number: 006TUC-T4190D20

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Specifications

General Specifications

Environment	Outdoor
Application	Aerial, Direct Buried, Duct
Cable type	Loose Tube
Product type	Armoured
Fibre Category	50 µm MM (OM4)

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	6
Fibre colouring	Blue, Orange, Green, Brown, Grey, White
Fibres per tube	6
Number of Tube Positions	6
Number of Active Tubes	1
Buffer tube colour coding	Blue
Buffer tube diameter	2.5 mm (0.1 in)
Number of filling elements	5
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
Maximum Fibres per Tube	12

Mechanical Characteristics Cable

Max. tensile strength, short-term	2700 N (600 lbf)
Max. Tensile Strength, Long-Term	890 N (200 lbf)
Weight	129 kg/km (87 lb/1000 ft)

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Mechanical Characteristics Cable

Nominal Outer Diameter	12.1 mm (0.48 in)
Min. Bend Radius Installation	182 mm (7.2 in)
Min. Bend Radius Operation	121 mm (4.8 in)

Chemical Characteristics

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

Part Number	006TUC-T4190D20
Product Description	ALTOS® Lite Loose Tube, Gel-Free, Single-Jacket, Single-Armoured Cable, 6 fibres, 50 µm multimode (OM4)
EAN Code	4056418162140



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