

ALTOS® Loose Tube, Gel-Free Cable

12 fibres, single-mode (OS2)

CORNING

Corning ALTOS® all-dielectric gel-free cables are designed for outdoor and limited indoor use for backbones in lashed aerial and duct installations. The loose tube gel-free design is fully waterblocked using craft-friendly, water-swellable materials, which means cable access is simple and no clean up is required. 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 midspan access. The all-dielectric cable construction requires no bonding or grounding and these cables have a medium-density polyethylene jacket that is rugged, durable and easy to strip.

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

All-dielectric cable construction

Requires no grounding or bonding

Standards

Common Installations

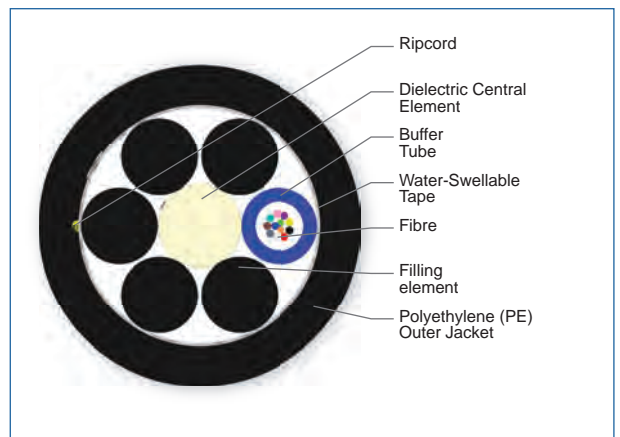
Outdoor lashed aerial and duct; indoor when installed according to National Electrical Code® (NEC®) Article 770

Design And Test Criteria

ANSI/ICEA S-87-640



Part Number: 012EU4-T4101D20



Cross Section of Order Number: 012EU4-T4101D20

Specifications

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

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General Specifications

Product type	Dielectric
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	12
Fibre colouring	Blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise
Fibres per tube	12
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	1
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	73 kg/km (49 lb/1000 ft)
Nominal Outer Diameter	10.5 mm (0.41 in)
Min. Bend Radius Installation	158 mm (6.2 in)
Min. Bend Radius Operation	105 mm (4.1 in)

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Chemical Characteristics

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

Part Number	012EU4-T4101D20
Product Description	ALTOS® Loose Tube, Gel-Free Cable, 12 F, Single-mode (OS2)
EAN Code	4056418185729



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