

ALTOS® Low-Temperature, Loose Tube, Gel-Free Cable

12 fibres, single-mode (OS2)

CORNING

Corning ALTOS® gel-free, low-temperature cables are designed for extreme cold temperature environments with an extended operating range of -50° to +70°C (-58° to +158°F). Dielectric jackets allow for duct or aerial (lashed) installation.

Features and Benefits

Extended operating temperature range of -50° to +70°C (-58° to +158°F)

Allows for operation at extreme low temperatures

Flexible, craft-friendly buffer tubes

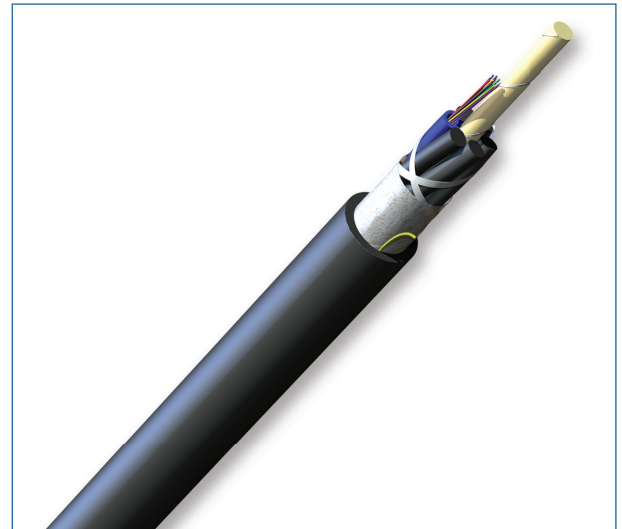
Facilitate easy routing in closures

Gel-free waterblocking technology

Craft-friendly cable preparation

Medium-density polyethylene jacket

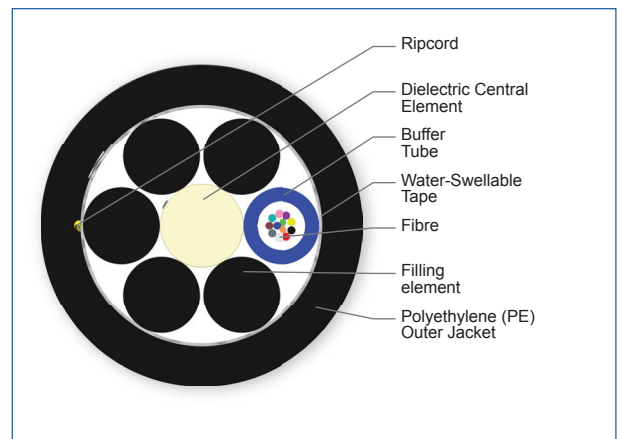
Rugged, durable and easy to strip while providing superior protection against UV radiation, fungus, abrasion and other environmental factors



Part Number: 012EU4-T4101F20

Standards

Approvals and Listings	USDA Rural Development Programs
Common Installations	Outdoor duct and aerial
Design And Test Criteria	Telcordia GR-20, ICEA-640



Cross Section of Order Number: 012EU4-T4101F20

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	-50 °C to 70 °C (-58 °F to 158 °F)
Installation and assembly	-30 °C to 70 °C (-22 °F to 158 °F)
Operation	-50 °C to 70 °C (-58 °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

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-T4101F20
Product Description	ALTOS® Low-Temperature, Loose Tube, Gel-Free Cable, 12 F, Single-mode (OS2)
EAN Code	4056418171012



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