

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

96 F, Single-mode (OS2)

CORNING

Corning ALTOS® 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 and armored jackets allow for duct, direct-buried 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

Innovative waterblocking design

Provides efficient and craft-friendly cable preparation

SZ-stranded, loose tube design

Isolates fibers 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

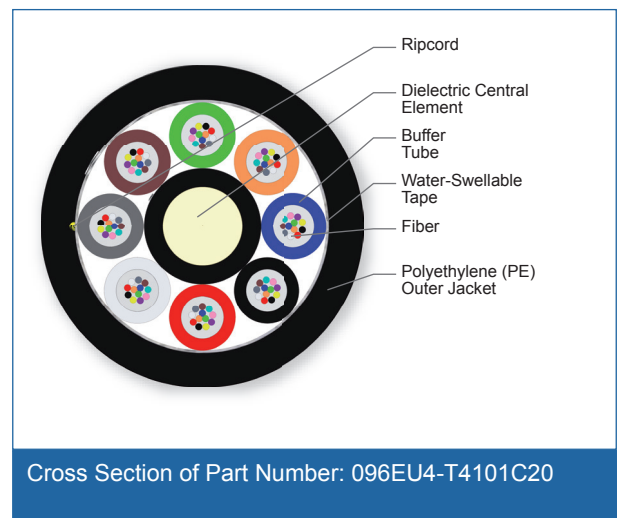
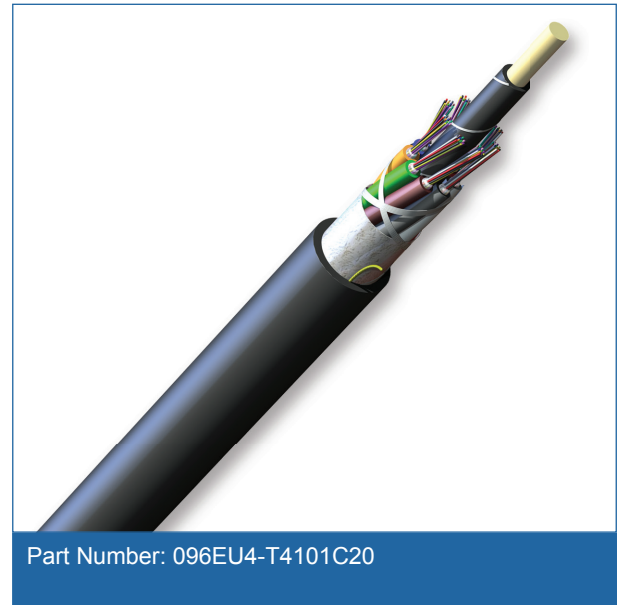
Rugged, durable and easy to strip (while providing superior protection against UV radiation, fungus, abrasion and other environmental factors)

Standards

Approvals and Listings USDA Rural Development Programs

Common Installations Designed for Duct and Aerial Applications

Design and Test Criteria Telcordia GR-20, ICEA-640



Specifications

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

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General Specifications

Product Type	Dielectric
Fiber Category	Single-mode (OS2)

Temperature Range

Storage	-50 °C to 70 °C (-58 °F to 158 °F)
Installation	-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
Fiber Count	96
Fiber Coloring	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Fibers per Tube	12
Number of Tube Positions	8
Number of Active Tubes	8
Buffer Tube Color Coding	Blue, Orange, Green, Brown, Slate, White, Red, Black
Buffer Tube Diameter	2.5 mm (0.1 in)
Tape	Water-swellable
Number of Ripcords	2
Outer Jacket Material	Polyethylene (PE)
Outer Jacket Color	Black

Mechanical Characteristics Cable

Max. Tensile Strength, Short-Term	2700 N (600 lbf)
Max. Tensile Strength, Long-Term	890 N (200 lbf)
Weight	108 kg/km (72 lb/1000 ft)
Nominal Outer Diameter	12.2 mm (0.48 in)
Min. Bend Radius Installation	183 mm (7.2 in)
Min. Bend Radius Operation	122 mm (4.8 in)

Chemical Characteristics

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

Optical Characteristics (cabled)	
Fiber Name	Single-mode (OS2)
Fiber Category	G.652.D
Fiber Code	E
Performance Option Code	01
Wavelengths	1310 nm / 1383 nm / 1550 nm
Maximum Attenuation	0.4 dB/km / 0.4 dB/km / 0.3 dB/km

Ordering Information

Part Number	096EU4-T4101C20
Product Description	ALTOS® Low-Temperature, Loose Tube, Gel-Filled Cable, 96 F, Single-mode (OS2)
EAN Code	4056418168722



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