

ALTOS® Figure-8 Loose Tube, Gel-Free Cable 96 F, Single-mode (OS2)



Part Number:
096EUA-T4101D20

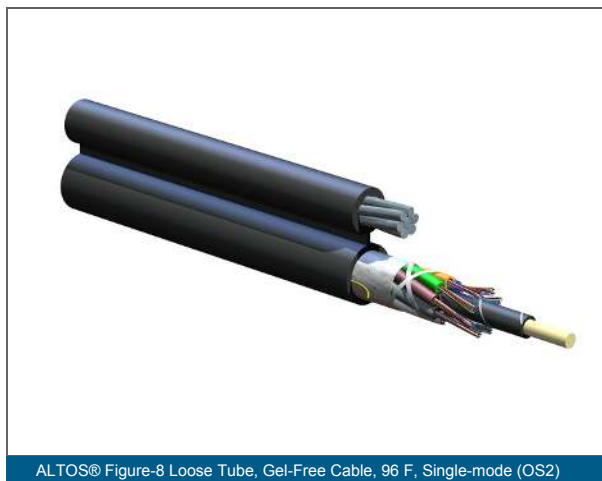
Corning ALTOS® figure-8 gel-free cables are self-supporting aerial cables designed for easy and economical one-step installation. The loose tube design provides stable performance over a wide temperature range and is compatible with any telecommunications-grade optical fiber. The gel-free design is fully waterblocked using craft-friendly water-swellable materials, making cable access simple and requiring no clean up. While the flexible, craft-friendly buffer tubes are easy to route in closures, the SZ-stranded, loose tube design isolates optical fibers from installation and environmental rigors and facilitates mid-span access. The figure-8 cable design allows easy, one-step installation, using standard hardware and installation methods. 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

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

Figure-8 cable design
Easy, one-step installation



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Specifications

General Specifications	
Environment	Outdoor
Cable Type	Loose Tube
Product Type	Self-Supporting
Fiber Category	Single-mode (OS2)
Application	Aerial, Self-Supporting
Fiber Count	96

Standards	
RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Common Installations	Outdoor self-supporting aerial
Design and Test Criteria	ANSI/ICEA S-87-640

Environmental Conditions	
Temperature Range, Installation	-30 °C to 70 °C (-22 °F to 158 °F)
Temperature Range, Operation	-40 °C to 70 °C (-40 °F to 158 °F)
Temperature Range, Storage	-40 °C to 70 °C (-40 °F to 158 °F)
Notes	<i>Corning recommends storing cable in a proper temperature environment prior to installation to allow the cable temperature to meet installation temperature range specifications for best installation results.</i>

Cable Design	
Central Element	Dielectric
Fiber Count	96
Buffer Tube Color Coding	Blue, Orange, Green, Brown, Slate, White, Red, Black
Number of Ripcords	1
Outer Jacket Color	Black

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Cable Design

Outer Jacket Material	Polyethylene (PE)
Buffer Tube Color	Blue, Orange, Green, Brown, Slate, White, Red, Black
Buffer Tube Diameter	2.5 mm (0.1 in)
Messenger	Stranded steel
Number of Active Tubes	8
Number of Tube Positions	8
Tape	Water-swellable
Fiber Coloring	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Fibers per Tube	12

Mechanical Specifications

Min. Bend Radius Installation	183 mm (7.2 in)
Min. Bend Radius Operation	122 mm (4.8 in)
Nominal Cable Height	23.8 mm (0.94 in)
Nominal Outer Diameter	12.2 mm (0.48 in)

Optical Characteristics

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

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Ordering Information	
Product Number	096EUA-T4101D20
EAN Code	4056418182964
Weight	321 kg/km (215.7 lb/1000 ft)



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