

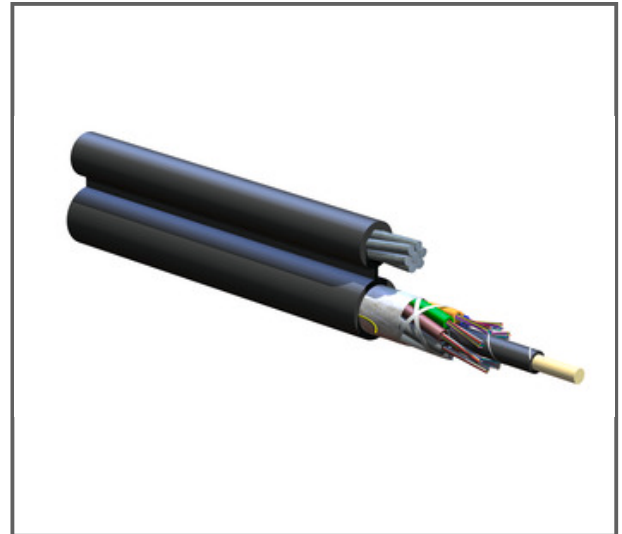
# ALTOS® Figure-8 Loose Tube, Gel-Free Cable 96 F, Single-mode (OS2)

CORNING

## 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-swappable 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

### Maximum Span With 1 % Installation Sag

Maximum Span with 1% Installation Sag, NESC Heavy	158 m (518.24 ft)
Maximum Span with 1% Installation Sag, NESC Medium	229 m (751.12 ft)
Maximum Span with 1% Installation Sag, NESC Light	241 m (790.48 ft)

### 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)

### 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
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

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## Cable Design

Number of Tube Positions 8

Tape	Water-swellable
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Fiber Coloring	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
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Fibers per Tube	12
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## Environmental Conditions

Temperature Range, Installation	-30 °C - 70 °C (-22 °F - 158 °F)
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Temperature Range, Storage	-40 °C - 70 °C (-40 °F - 158 °F)
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Temperature Range, Operation	-40 °C - 70 °C (-40 °F - 158 °F)
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## General Specifications

Environment	Outdoor
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Cable Type	Loose Tube
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Product Type	Self-Supporting
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Fiber Category	Single-mode (OS2)
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Application	Aerial , Self-Supporting
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## Ordering Information

Weight	321 kg/km
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## Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
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## Standards

Common Installations	Outdoor self-supporting aerial
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Design and Test Criteria	ANSI/ICEA S-87-640
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## Optical Characteristics

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