

# ALTOS® Figure-8 Loose Tube, Gel-Free Cable 24 F, Single-mode (OS2)



**Part Number:**  
**024EUA-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-swallowable 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

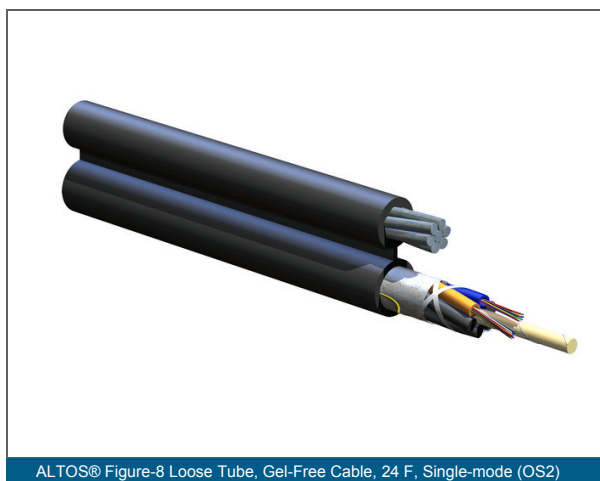
Craft-friendly cable preparation

### Polyethylene jacket

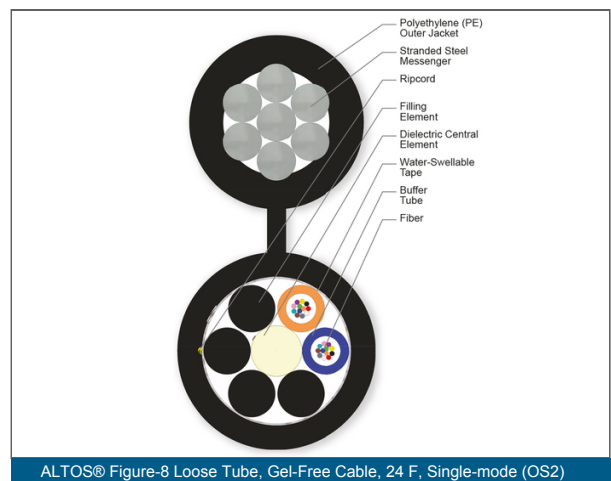
Rugged, durable and easy to strip (while providing superior protection against UV radiation, fungus, abrasion and other environmental factors)

### Figure-8 cable design

Easy, one-step installation



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## Specifications

General Specifications	
Installation Methods	Aerial
Cable Type	Loose Tube
Environment	Outdoor
Product Type	Self-Supporting, Figure-8
Fiber Category	Single-mode (OS2)
Cable geometry	Other

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	
Notes	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.
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 )

Cable Design	
Central Element	Dielectric
Fiber Count	24
Number of Ripcords	1
Outer Jacket Color	Black
Outer Jacket Material	Polyethylene (PE)

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Cable Design	
Buffer Tube Color	Blue, Orange
Buffer Tube Diameter	2.5 mm (0.1 in)
Messenger	Stranded steel
Number of Active Tubes	2
Number of Filling Elements	4
Number of Tube Positions	6
Tape	Water-swellable
Fiber Coloring	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Fibers per Tube	12
Color Code Standards	Telcordia

Mechanical Specifications	
Nominal Cable Height	22.1 mm (0.87 in)
Nominal Outer Diameter	10.5 mm (0.41 in)
Min. Bend Diameter Installation	316 mm (12.44 in)
Min. Bend Diameter Operation	210 mm (8.27 in)

Optical Characteristics	
Fiber Code	E
Performance Option Code	01
Fiber Category	OS2
Fiber Type	Single-mode (OS2) / 250 µm
Fiber Name	Single-mode (OS2)
Maximum Attenuation	0.4 dB/km / 0.4 dB/km / 0.3 dB/km
Wavelengths	1310 nm / 1383 nm / 1550 nm
Fiber Compliance	ITU-T G.652.D

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## Dimensions

Cable Weight	297 kg/km (199.57 lb/1000 ft)
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