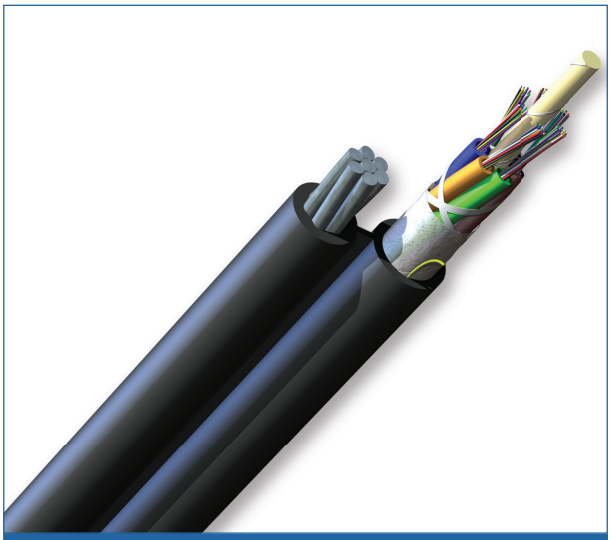
ALTOS® Figure-8 Loose Tube, Gel-Free Cable

72 F, Single-mode (OS2)

CORNING

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.



Part Number: 072EUA-T4101D20

Features and Benefits

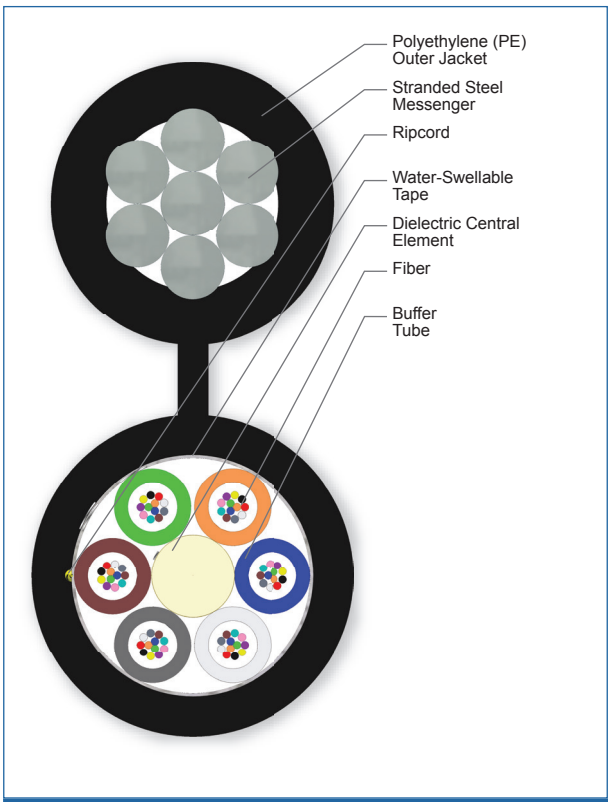
Gel-free waterblocking technology
Craft friendly cable preparation

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

Figure-8 cable design
Easy, one-step installation

Standards

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



Cross Section of Part Number: 072EUA-T4101D20

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Specifications

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

Temperature Range	
Storage	-40 °C to 70 °C (-40 °F to 158 °F)
Installation	-30 °C to 70 °C (-22 °F to 158 °F)
Operation	-40 °C to 70 °C (-40 °F to 158 °F)

Cable Design	
Central Element	Dielectric
Fiber Count	72
Fiber Coloring	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Fibers per Tube	12
Number of Tube Positions	6
Number of Active Tubes	6
Buffer Tube Color Coding	Blue, Orange, Green, Brown, Slate, White
Buffer Tube Diameter	2.5 mm (0.1 in)
Tape	Water-swellable
Number of Ripcords	1
Outer Jacket Material	Polyethylene (PE)
Outer Jacket Color	Black
Messenger	Stranded steel
Maximum Fibers per Tube	12

Mechanical Characteristics Cable	
Weight	297 kg/km (199 lb/1000 ft)
Nominal Outer Diameter	10.5 mm (0.41 in)

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Mechanical Characteristics Cable	
Nominal Cable Height	22.1 mm (0.87 in)
Min. Bend Radius Installation	158 mm (6.2 in)
Min. Bend Radius Operation	105 mm (4.1 in)

Maximum Span with One-Percent Installation Sag	
Maximum Span with 1% Installation Sag, NESC Light	241 m (790 ft)
Maximum Span with 1% Installation Sag, NESC Medium	235 m (770 ft)
Maximum Span with 1% Installation Sag, NESC Heavy	168 m (550 ft)

Chemical Characteristics	
RoHS	Free of hazardous substances according to RoHS 2011/65/EU

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	072EUA-T4101D20
Product Description	ALTOS® Figure-8 Loose Tube, Gel-Free Cable, 72 F, Single-mode (OS2)
EAN Code	4056418183343

Notes

RoHS COMPLIANT

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