

96 F, Single-mode (OS2)

Corning ALTOS® figure-8 gel-filled 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. 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 midspan 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.

Easy, one-step installation

Provides efficient and craft-friendly cable preparation

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

Approvals and Listings RDUP 7 CFR 1755.900
(formerly RUS)

Common Installations	Outdoor self-supporting aerial
-----------------------------	--------------------------------

Design and Test Criteria	ANSI/ICEA S-87-640
---------------------------------	--------------------



ALTOS® Figure-8 Loose Tube, Gel-Filled, Armored Cable

96 F, Single-mode (OS2)

CORNING

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	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
Buffer Tube Diameter	2.5 mm (0.1 in)
Tape	Water-swellaable
Inner Jacket Material	Polyethylene (PE)
Number of Ripcords	3
Tensile Strength Elements and/or Armoring - Layer 1	Corrugated steel tape armor
Outer Jacket Material	Polyethylene (PE)
Outer Jacket Color	Black
Messenger	Stranded steel

Mechanical Characteristics Cable

Weight	443 kg/km (297 lb/1000 ft)
Nominal Outer Diameter	16.0 mm (0.63 in)
Nominal Cable Height	27.6 mm (1.09 in)

CORNING

ALTOS® Figure-8 Loose Tube, Gel-Filled, Armored Cable

96 F, Single-mode (OS2)

CORNING

Mechanical Characteristics Cable

Min. Bend Radius Installation	240 mm (9.4 in)
Min. Bend Radius Operation	160 mm (6.3 in)

Maximum Span with One-Percent Installation Sag

Maximum Span with 1% Installation Sag, NESC Light	189 m (620 ft)
Maximum Span with 1% Installation Sag, NESC Medium	189 m (610 ft)
Maximum Span with 1% Installation Sag, NESC Heavy	131 m (430 ft)

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	096EUB-T4101A20
Product Description	ALTOS® Figure-8 Loose Tube, Gel-Filled, Armored Cable, 96 F, Single-mode (OS2)
EAN Code	4056418168661



Corning Optical Communications LLC • PO Box 489 • Hickory, NC 28603-0489 USA

800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • www.corning.com/opcomm

A complete listing of the trademarks of Corning Optical Communications is available at www.corning.com/opcomm/trademarks. All other trademarks are the properties of their respective owners. Corning Optical Communications is ISO 9001 certified.

© 2016 Corning Optical Communications. All rights reserved.

CORNING