

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

24 F, Single-mode (OS2)

CORNING

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.

Features and Benefits

Figure-8 cable design

Easy, one-step installation

Innovative waterblocking design

Provides efficient and craft-friendly cable preparation

Medium-density polyethylene jacket

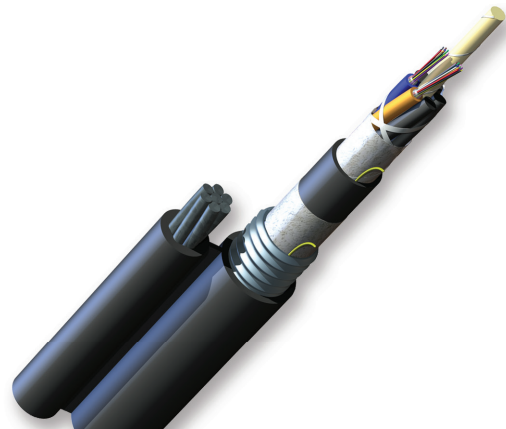
Rugged, durable and easy to strip (while providing superior protection against UV radiation, fungus, abrasion and other environmental factors)

Standards

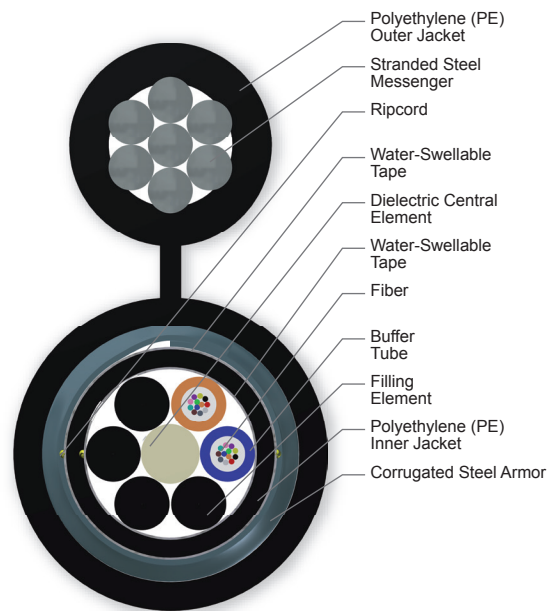
Approvals and Listings	RDUP 7 CFR 1755.900 (formerly RUS)
-------------------------------	---------------------------------------

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

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



Part Number: 024EUB-T4101A20



Cross Section of Part Number: 024EUB-T4101A20

CORNING

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

24 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	24
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	2
Buffer Tube Color Coding	Blue, Orange
Buffer Tube Diameter	2.5 mm (0.1 in)
Number of Filling Elements	4
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	403 kg/km (270 lb/1000 ft)
Nominal Outer Diameter	14.3 mm (0.56 in)

CORNING

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

24 F, Single-mode (OS2)

CORNING

Mechanical Characteristics Cable

Nominal Cable Height	25.9 mm (1.02 in)
Min. Bend Radius Installation	215 mm (8.4 in)
Min. Bend Radius Operation	143 mm (5.6 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 (620 ft)
Maximum Span with 1% Installation Sag, NESC Heavy	140 m (460 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	024EUB-T4101A20
Product Description	ALTOS® Figure-8 Loose Tube, Gel-Filled, Armored Cable, 24 F, Single-mode (OS2)
EAN Code	4056418172606



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