

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

12 F, Single-mode (OS2)

CORNING

Corning Cable Systems 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 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

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

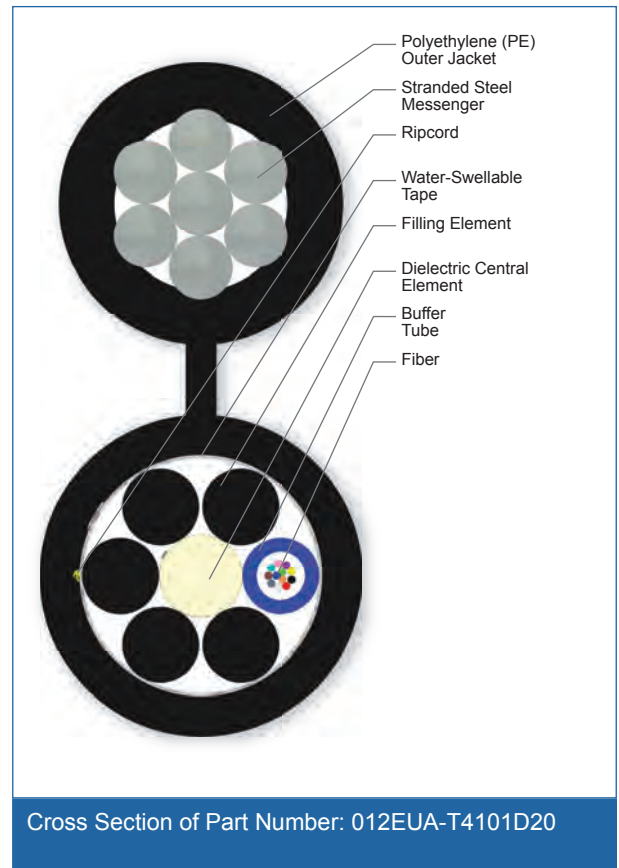
Figure-8 cable design

Easy, one-step installation

Standards

Common Installations Outdoor self-supporting aerial

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



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

12 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	12
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	1
Buffer Tube Color Coding	Blue
Buffer Tube Diameter	2.5 mm (0.1 in)
Number of Filling Elements	5
Tape	Water-swellable
Number of Ripcords	1
Outer Jacket Material	Polyethylene (PE)
Outer Jacket Color	Black
Messenger	Stranded steel

Mechanical Characteristics Cable

Weight	297 kg/km (199 lb/1000 ft)
Nominal Outer Diameter	10.5 mm (0.41 in)
Nominal Cable Height	22.1 mm (0.87 in)

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

12 F, Single-mode (OS2)

CORNING

Mechanical Characteristics Cable

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 2002/95/EG
------	-----------------------------------------------------------

Fiber Specifications

Optical Characteristics (cabled)

Fiber Type	Single-mode
Fiber Core Diameter	8.2 μm
Fiber Category	OS2
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
Serial 1 Gigabit Ethernet	5000 m / - / -
Serial 10 Gigabit Ethernet	10000 m / - / 40000 m

* ITU-T G.652 D compliant.

* Meets 0.75 ns optical skew when used in all Corning Cable Systems Plug & Play™/Pretium EDGE® Systems Solutions.

Notes: 1) Improved attenuation and bandwidth options available.
2) Bend-insensitive single-mode fibers available on request.
3) Contact a Corning Cable Systems Customer Care Representative for additional information.

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

12 F, Single-mode (OS2)



Ordering Information

Part Number	012EUA-T4101D20
Product Description	ALTOS® Figure-8 Loose Tube, Gel-Free Cable, 12 F, Single-mode (OS2)



Corning Cable Systems LLC • PO Box 489 • Hickory, NC 28603-0489 USA

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

A complete listing of the trademarks of Corning Cable Systems is available at www.corning.com/cablesystems/trademarks.

Corning Cable Systems is ISO 9001 certified. © 2012 Corning Cable Systems. All rights reserved.