

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

288 F, 50 µm multimode (OM2)

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-swappable 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

Medium-density polyethylene jacket

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

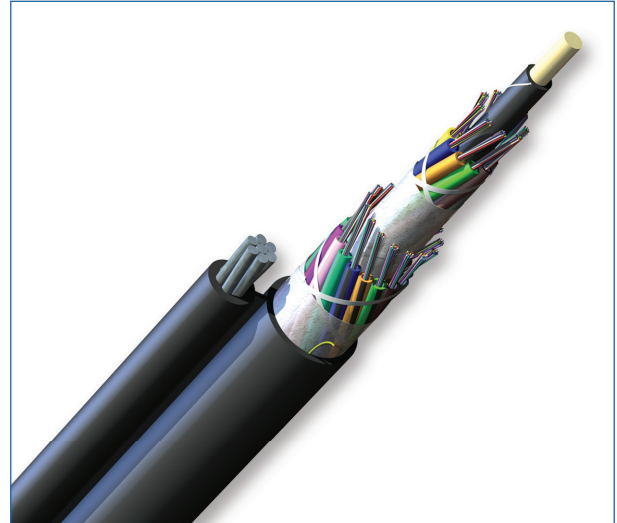
Figure-8 cable design

Easy, one-step installation

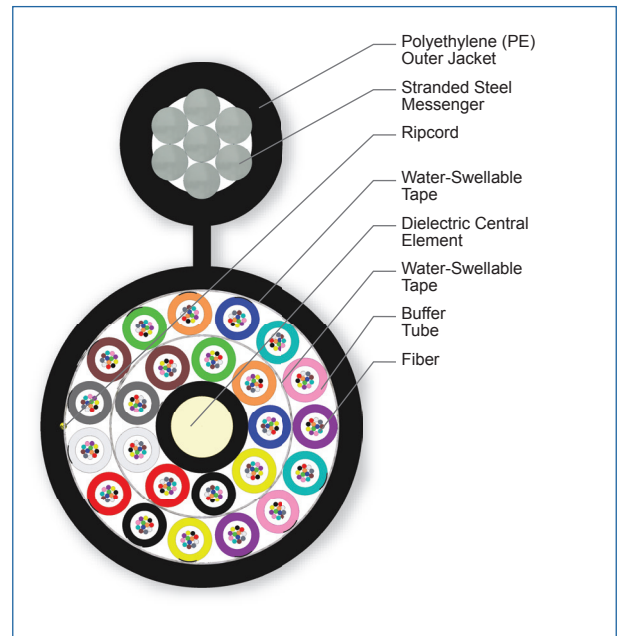
Standards

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

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



Part Number: 288TUA-T4131D20



Cross Section of Part Number: 288TUA-T4131D20

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

288 F, 50 µm multimode (OM2)

CORNING

Specifications

General Specifications	
Environment	Outdoor
Application	Aerial, Self-Supporting
Cable Type	Loose Tube
Product Type	Self-Supporting
Fiber Category	50 µm MM (OM2)

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	288
Fiber Coloring	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Fibers per Tube	12
Number of Tube Positions	24
Number of Active Tubes	24
Buffer Tube Color Coding, Layer 1	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow
Buffer Tube Diameter	2.5 mm (0.1 in)
Tape	Water-swellaable
Buffer Tube Color Coding, Layer 2	Violet, Rose, Aqua, Blue*, Orange*, Green*, Brown*, Slate*, White*, Red*, Black*, Yellow*, Violet*, Rose*, Aqua*
Tape, Layer 2	Water-swellaable
Number of Ripcords	1
Outer Jacket Material	Polyethylene (PE)
Outer Jacket Color	Black
Messenger	Stranded steel
Maximum Fibers per Tube	12

CORNING

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

288 F, 50 µm multimode (OM2)

CORNING

Mechanical Characteristics Cable

Weight	420 kg/km (282 lb/1000 ft)
Nominal Outer Diameter	18.2 mm (0.72 in)
Nominal Cable Height	29.8 mm (1.17 in)
Min. Bend Radius Installation	273 mm (10.7 in)
Min. Bend Radius Operation	182 mm (7.2 in)

Maximum Span with One-Percent Installation Sag

Maximum Span with 1% Installation Sag, NESC Light	183 m (600 ft)
Maximum Span with 1% Installation Sag, NESC Medium	183 m (600 ft)
Maximum Span with 1% Installation Sag, NESC Heavy	137 m (450 ft)

Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
------	---

Fiber Specifications

Optical Characteristics (cabled)

Fiber Core Diameter	50 µm
Fiber Category	OM2
Fiber Code	T
Performance Option Code	31
Wavelengths	850 nm / 1300 nm
Maximum Attenuation	3.0 dB/km / 1.0 dB/km
Serial 1 Gigabit Ethernet	750 m / 500 m
Serial 10 Gigabit Ethernet	150 m / -
Min. Overfilled Launch (OFL) Bandwidth	700 MHz*km / 500 MHz*km
Minimum Effective Modal Bandwidth (EMB)	950 MHz*km / -

Notes: 1) 50 µm multimode fiber macrobend loss ≤ 0.2 dB at 850 nm for two turns around 7.5 mm radius mandrel.
2) Improved attenuation and bandwidth options available.
3) Bend-insensitive single-mode fibers available on request.
4) Contact a Corning Customer Care Representative for additional information.

CORNING

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

288 F, 50 µm multimode (OM2)

CORNING

Ordering Information

Part Number	288TUA-T4131D20
Product Description	ALTOS® Figure-8 Loose Tube, Gel-Free Cable, 288 F, 50 µm multimode (OM2)
EAN Code	4056418165486



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