

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

216 F, 62.5 µm multimode (OM1)

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.

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)

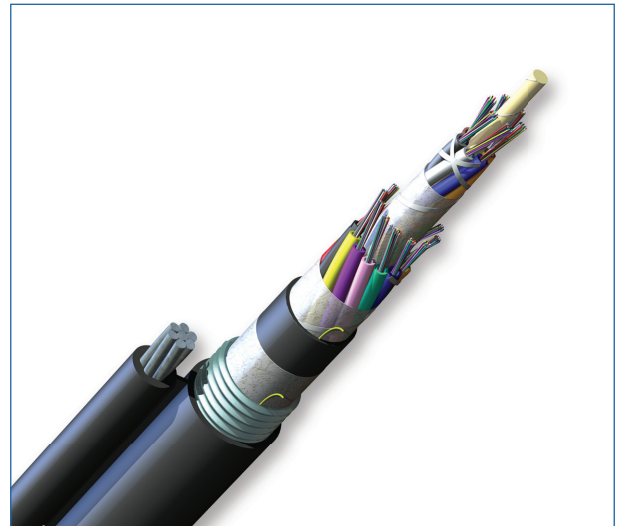
Figure-8 cable design

Easy, one-step installation

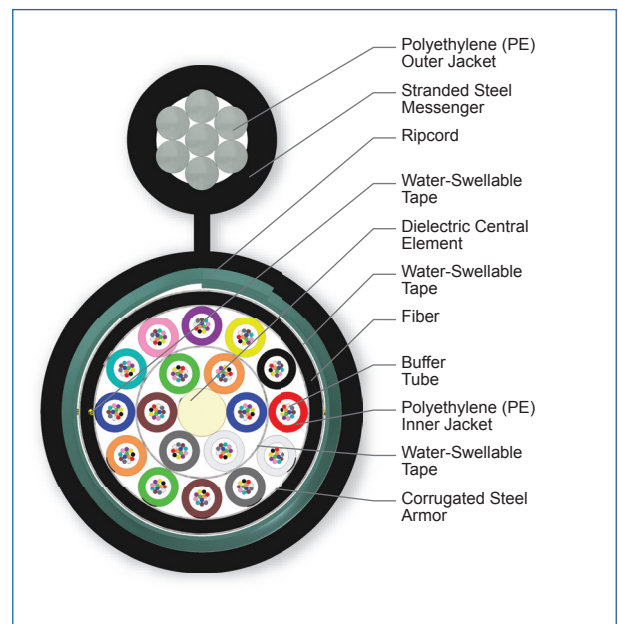
Standards

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

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



Part Number: 216KUB-T4130D20



Cross Section of Part Number: 216KUB-T4130D20

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

216 F, 62.5 µm multimode (OM1)

CORNING

Specifications

General Specifications	
Environment	Outdoor
Application	Aerial, Self-Supporting
Cable Type	Loose Tube
Product Type	Self-Supporting
Fiber Category	62.5 µm MM (OM1)

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	216
Fiber Coloring	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Fibers per Tube	12
Number of Tube Positions	18
Number of Active Tubes	18
Buffer Tube Color Coding, Layer 1	Blue, Orange, Green, Brown, Slate, White
Buffer Tube Diameter	2.5 mm (0.1 in)
Tape	Water-swellaable
Buffer Tube Color Coding, Layer 2	Red, Black, Yellow, Violet, Rose, Aqua, Blue*, Orange*, Green*, Brown*, Slate*, White*
Tape, Layer 2	Water-swellaable
Inner Jacket Material	Polyethylene (PE)
Tape, Layer 3	Water-swellaable
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
Maximum Fibers per Tube	12

CORNING

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

216 F, 62.5 µm multimode (OM1)

CORNING

Mechanical Characteristics Cable

Weight	513 kg/km (344 lb/1000 ft)
Nominal Outer Diameter	19.9 mm (0.78 in)
Nominal Cable Height	31.5 mm (1.24 in)
Min. Bend Radius Installation	299 mm (11.8 in)
Min. Bend Radius Operation	199 mm (7.8 in)

Maximum Span with One-Percent Installation Sag

Maximum Span with 1% Installation Sag, NESC Light	162 m (530 ft)
Maximum Span with 1% Installation Sag, NESC Medium	158 m (520 ft)
Maximum Span with 1% Installation Sag, NESC Heavy	116 m (380 ft)

Chemical Characteristics

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

Fiber Specifications

Optical Characteristics (cabled)

Fiber Core Diameter	62.5 µm
Fiber Category	OM1
Fiber Code	K
Performance Option Code	30
Wavelengths	850 nm / 1300 nm
Maximum Attenuation	3.4 dB/km / 1.0 dB/km
Serial 1 Gigabit Ethernet	300 m / 550 m
Serial 10 Gigabit Ethernet	33 m / -
Min. Overfilled Launch (OFL) Bandwidth	200 MHz*km / 500 MHz*km
Minimum Effective Modal Bandwidth (EMB)	220 MHz*km / -

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

CORNING

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

216 F, 62.5 µm multimode (OM1)

CORNING

Ordering Information

Part Number	216KUB-T4130D20
Product Description	ALTOS® Figure-8 Loose Tube, Gel-Free Armored Cable, 216 F, 62.5 µm multimode (OM1)



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