

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

96 F, 62.5 µm multimode (OM1)

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

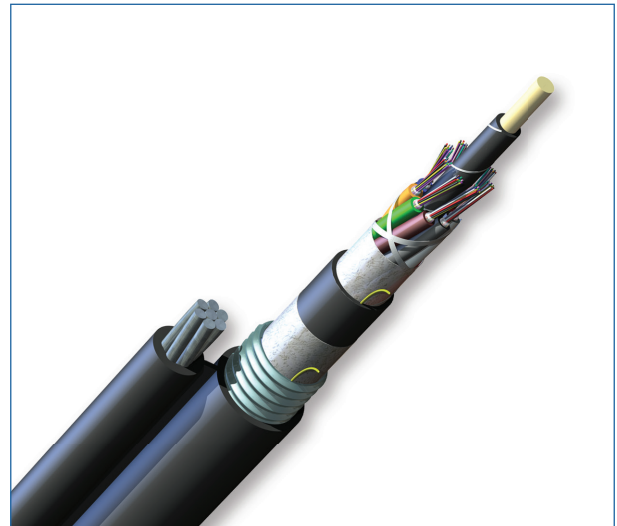
Rugged, durable and easy to strip (while providing superior protection against UV radiation, fungus, abrasion and other environmental factors)

Standards

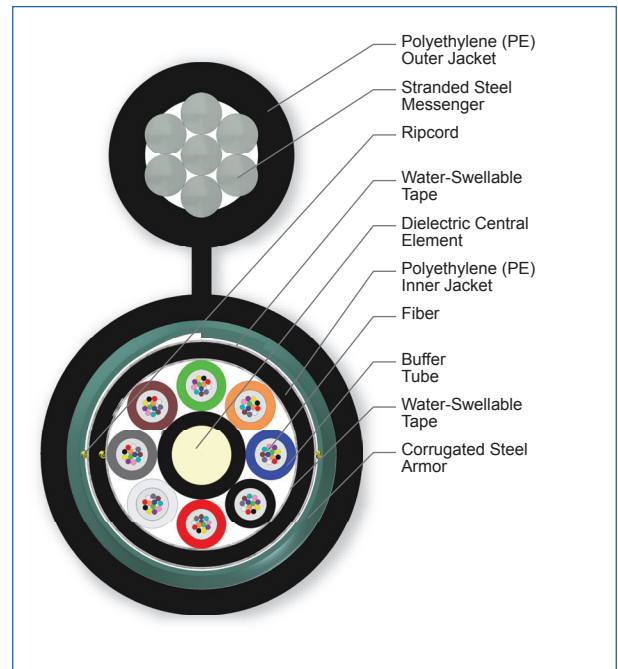
Approvals and Listings	RDUP 7 CFR 1755.900 (formerly RUS)
-------------------------------	---------------------------------------

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

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



Part Number: 096KUB-T4130A20



Cross Section of Part Number: 096KUB-T4130A20

CORNING

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

96 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	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, Black
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, 62.5 µm multimode (OM1)

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 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.

Ordering Information

Part Number	096KUB-T4130A20
Product Description	ALTOS® Figure-8 Loose Tube, Gel-Filled, Armored Cable, 96 F, 62.5 µm multimode (OM1)
EAN Code	4056418168500

CORNING

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

96 F, 62.5 µm multimode (OM1)

The Corning logo consists of a solid blue square with the word "CORNING" in white, uppercase, sans-serif font centered within it.

CORNING

Notes



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.

The Corning logo consists of the word "CORNING" in a large, bold, sans-serif font.