

ALTOS® Loose Tube, Gel-Free, Double-Jacket Cable 288 F, 62.5 µm multimode (OM1)

CORNING

Part Number:
288KUE-T4130D20

Corning ALTOS® gel-free double-jacket, dielectric cables are designed for duct and aerial (lashed) installation. The double-jacket construction adds a layer of protection for harsh environments. The loose tube cable design provides stable performance over a wide temperature range and is compatible with any telecommunications-grade optical fiber.

Features and Benefits

Two jacket layers

Provides extra protection in harsh environments

Flexible, craft-friendly buffer tubes

Facilitate easy routing in closures

Gel-free waterblocking technology

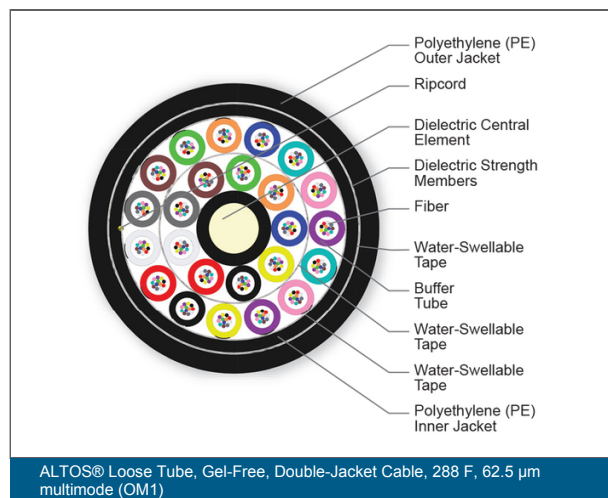
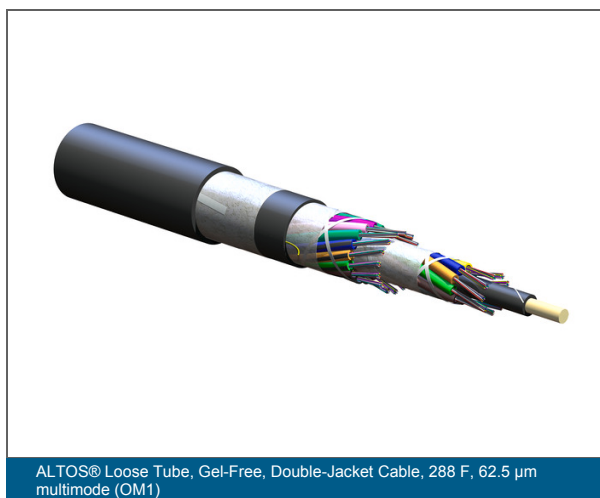
Craft-friendly cable preparation

Polyethylene jacket

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

Exceeds the RDUP requirements for mid-span buffer tube slack storage

Provides flexibility for mid-span access applications



ALTOS® Loose Tube, Gel-Free, Double-Jacket Cable 288 F, 62.5 µm multimode (OM1)

CORNING

Specifications

General Specifications

Installation Methods	Aerial, Duct
Cable Type	Loose Tube
Environment	Outdoor
Product Type	Dielectric
Fiber Category	62.5 µm MM (OM1)
Cable geometry	Round

Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Approvals and Listings	RDUP (RUS) Listed Material acceptability
Design and Test Criteria	ANSI/ICEA S-87-640

Environmental Conditions

Notes	Corning recommends storing cable in a proper temperature environment prior to installation to allow the cable temperature to meet installation temperature range specifications for best installation results.
Temperature Range, Installation	-30 °C to 70 °C (-22 °F to 158 °F)
Temperature Range, Operation	-40 °C to 70 °C (-40 °F to 158 °F)
Temperature Range, Storage	-40 °C to 70 °C (-40 °F to 158 °F)

Cable Design

Central Element	Dielectric
Fiber Count	288
Number of Ripcords	2
Buffer Tube Color Coding, Layer 1	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow
Outer Jacket Color	Black

ALTOS® Loose Tube, Gel-Free, Double-Jacket Cable 288 F, 62.5 µm multimode (OM1)

CORNING

Cable Design

Outer Jacket Material	Polyethylene (PE)
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Buffer Tube Diameter	2.5 mm (0.1 in)
Inner Jacket Material	Polyethylene (PE)
Number of Active Tubes	24
Number of Tube Positions	24
Tape	Water-swellaable
Tape, Layer 1	Water-swellaable
Tape, Layer 2	Water-swellaable
Tape, Layer 3	Water-swellaable
Fiber Coloring	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Fibers per Tube	12
Color Code Standards	Telcordia

Mechanical Specifications

Max. Tensile Strength, Long-Term	890 N (200.08 lbf)
Max. Tensile Strength, Short-Term	2700 N (606.98 lbf)
Nominal Outer Diameter	20.1 mm (0.79 in)
Min. Bend Diameter Installation	604 mm (23.78 in)
Min. Bend Diameter Operation	402 mm (15.83 in)

Optical Characteristics

Fiber Code	K
Performance Option Code	30
Fiber Category	OM1
Fiber Type	Multimode
Fiber Name	62.5 µm MM (OM1)
Maximum Attenuation	3.4 dB/km / 1.0 dB/km

ALTOS® Loose Tube, Gel-Free, Double-Jacket Cable 288 F, 62.5 µm multimode (OM1)

CORNING

Optical Characteristics

Wavelengths	850 nm / 1300 nm
Fiber Compliance	ISO/IEC 11801
Fiber Core Diameter	62.5 µm
Coating diameter	242 µm
Serial 1 Gigabit Ethernet	300 m / 550 m
Serial 10 Gigabit Ethernet	33 m / -
Minimum Effective Modal Bandwidth (EMB)	220 MHz*km / -
Min. Overfilled Launch (OFL) Bandwidth	200 MHz*km / 500 MHz*km

Dimensions

Cable Weight	249 kg/km (167.32 lb/1000 ft)
--------------	-------------------------------



Corning Optical Communications LLC • 4200 Corning Place • Charlotte, NC • 28216 • United States
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. © 2026 Corning Optical Communications. All rights reserved.