

ALTOS® Loose Tube, Gel-Free, All-Dielectric Cable with FastAccess® Technology

CORNING

Corning ALTOS® cable with FastAccess® technology is an all-dielectric gel-free cable designed for outdoor and limited indoor use for campus backbones in lashed aerial and duct installations. The innovative FastAccess technology feature combined with the all-dielectric gel-free loose tube design simplifies removal of the cable jacket reducing cable end access time by at least 50 percent. Equally important is the overall reduction in risk of inadvertent fiber damage and risk to installers from sharp cable access tools. The cable is fully waterblocked using craft-friendly, water-swallowable materials, which means no clean up is required. The flexible buffer tubes are easy to route in closures, and the SZ-stranded, loose tube design isolates fibers from installation and environmental rigors while allowing easy mid-span access. The all-dielectric gel-free cable construction requires no bonding or grounding, and these cables have a medium-density polyethylene jacket that is rugged, durable and easy to handle. A variety of fiber types are available including 62.5 μm and 50 μm , single-mode and hybrid versions, as well as fibers with Gigabit and 10 Gigabit Ethernet performance.

Features and Benefits

Contains FastAccess® technology

Innovative cable jacket feature reduces cable end access time, reduces overall risk of inadvertent fiber damage, as well as, risk to installers from sharp cable access tools

Polyethylene jacket

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

Fully waterblocked loose tube all-dielectric gel-free design

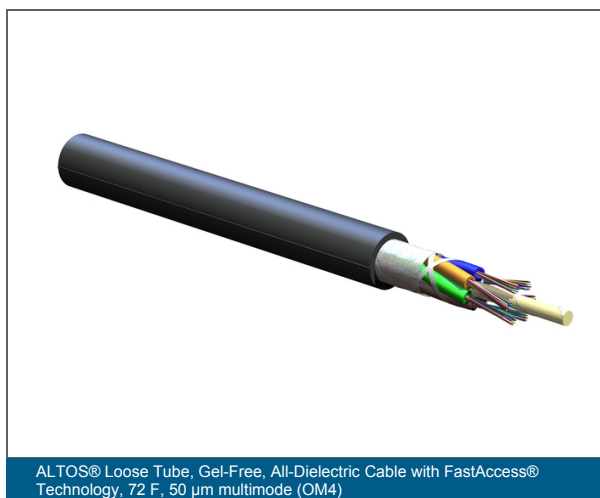
Simple access and no clean up

Industry-standard performance

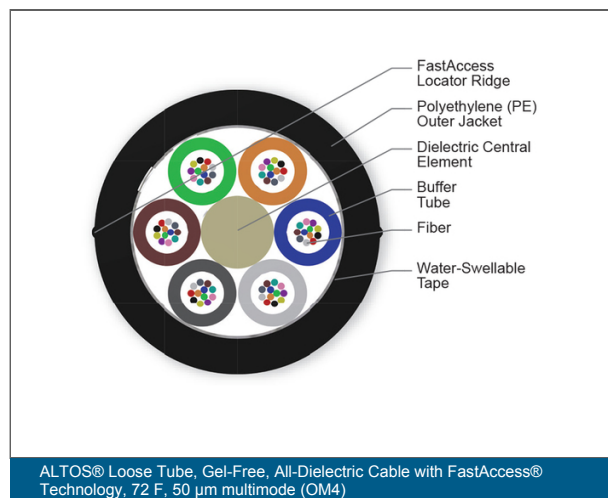
Meets the requirements of Telcordia GR-20, Issue 3 and ICEA S-87-640

Available in 62.5 μm , 50 μm , single-mode and hybrid versions

Ready for any application including Gigabit Ethernet and 10 Gigabit Ethernet

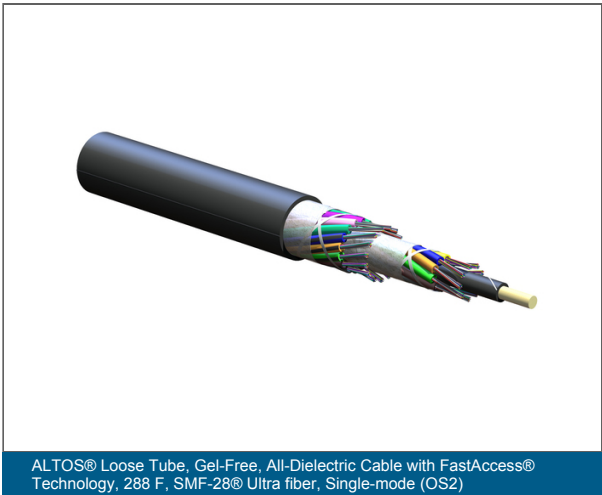
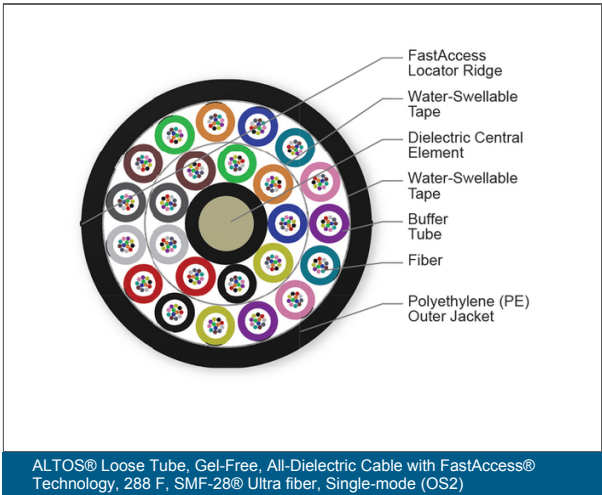


ALTOS® Loose Tube, Gel-Free, All-Dielectric Cable with FastAccess® Technology, 72 F, 50 μm multimode (OM4)



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

Specifications

General Specifications	
Environment	Outdoor
Product Type	Dielectric
Cable Type	Loose Tube

Temperature Range	
Temperature Range, Storage	-40 °C - 70 °C (-40 °F - 158 °F)
Temperature Range, Installation	-30 °C - 70 °C (-22 °F - 158 °F)
Temperature Range, Operation	-40 °C - 70 °C (-40 °F - 158 °F)

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Temperature Range

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.

Design Characteristics Cable

Fiber Count	Fibers per Tube	Number of Tube Positions	Number of Active Tubes	Buffer Tube Diameter
2	2	6	1	2.5 mm
4	4	6	1	2.5 mm
6	6	6	1	2.5 mm
12 - 72	12	6	1 - 6	2.5 mm
96	12	8	8	2.5 mm
144	12	12	12	2.5 mm
192 - 216	12	18	16 - 18	2.5 mm
288	12	24	24	2.5 mm

Mechanical Characteristics Cable

Fiber Count	Nominal Outer Diameter	Max. Tensile Strength, Short-Term	Max. Tensile Strength, Long-Term	Min. Bend Diameter Installation	Min. Bend Diameter Operation	Cable Weight
2 - 72	10.5 mm	2700 N	890 N	316 mm	210 mm	73 kg/km
96	12.2 mm	2700 N	890 N	366 mm	244 mm	98 kg/km
144	15.8 mm	2700 N	890 N	474 mm	316 mm	162 kg/km
192 - 216	16 mm	2700 N	890 N	480 mm	320 mm	147 kg/km
288	18.2 mm	2700 N	890 N	546 mm	364 mm	196 kg/km

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Transmission Performance

Single-mode

Fiber Name	TXF®
Performance Option Code	01
Fiber Category	OS2
Wavelengths	1310 nm / 1383 nm / 1550 nm
Fiber Code	D
Maximum Attenuation	1 - / - / 0.20 dB/km

□ □ □ □ U 4 - □ □ 7 □ □ D 2 0
1 2 3 4 5 6 7 8 9 10

1 Select fiber count.

Standard offerings:

012 048 096 216
024 060 144 288
036 072 192

2 Select fiber code.

K = 62.5 µm multimode (OM1)
T = 50 µm multimode (OM2/OM3/OM4)
E = Single-mode (G.652.D)
Z = Single-mode (G.652.D/
G.657.A1) SMF-28® Ultra fiber
P = Single-mode (G.652)
SMF-28® ULL
F = Single-mode (G.655) LEAF®
D = TXF™ Single-mode (G.654.E)

3 Defines cable type.

U = ALTOS® Loose Tube Cable
with 2.5 mm buffer tubes

1) Cable outer diameter may change. Example: 48 F cable with 6 fibers per tube will require 8 active buffer and have an OD like a standard 96 F cable.

4 Defines outer jacket.

4 = All-dielectric

5 Select fiber placement.

T = 12 fibers/buffer tube (standard)
6 = 6 fibers/buffer tube
See Note 1.

6 Select length markings.

3 = Markings in meters
4 = Markings in feet (standard)

7 Defines special jacket feature.

7 = ALTOS® Cable with
FastAccess™ Technology

8 Select performance option code.

30 = 62.5 µm multimode (OM1)
31 = 50 µm multimode (OM2)
80 = 50 µm multimode (OM3)
90 = 50 µm multimode (OM4)
01 = Single-mode (OS2)
(Max. attenuation 0.4/0.4/0.3 dB/km)
00 = Single-mode (OS2)
(Max. attenuation 0.35/0.35/0.25 dB/km)
22 = Single-mode (OS2)
(Max. attenuation 0.34/0.34/0.22 dB/km)
19 = Single-mode (Ultra Low-Loss)
(Max. attenuation 0.33/-/0.19 dB/km)
01 = Single-mode (TXF)
(Max. attenuation -/-/0.20 dB/km)
01 = Single-mode NZDSF*
(Max. attenuation -/-/0.25 dB/km)

*Non-Zero Dispersion-Shifted Single-mode Fiber

9 Defines cable type.

D = ALTOS® Gel-Free Cable

10 Defines special requirements.

20 = No special requirements

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The Corning logo consists of the word "CORNING" in a white, serif, all-caps font, centered within a solid blue square.

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