ALTOS® Loose Tube, Gel-Free, All-Dielectric Cable with FastAccess® Technology 96 F, Single-mode (OS2)

Part Number:
096EU4-T4701D20

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-swellable 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

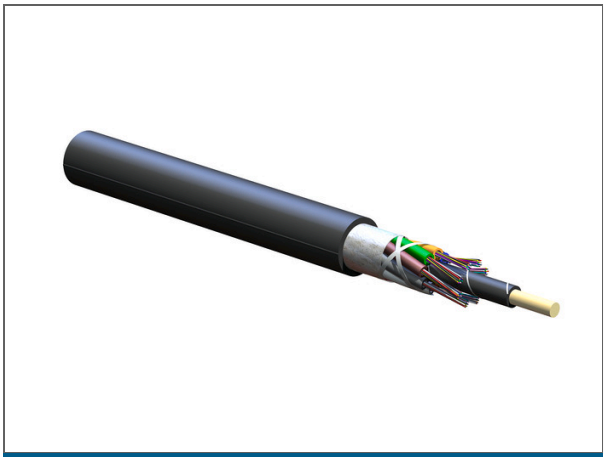
Simple access and no clean up

Industry-standard performance

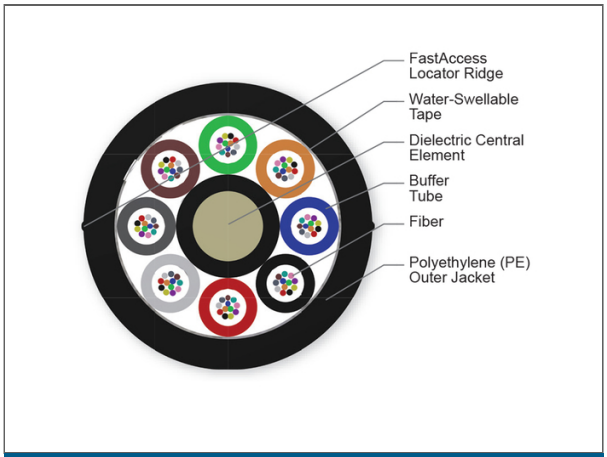
Meets the requirements of Telcordia GR-20, Issue 3 and ICEA S-87-640

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, 96 F, Single-mode (OS2)



ALTOS® Loose Tube, Gel-Free, All-Dielectric Cable with FastAccess® Technology, 96 F, Single-mode (OS2)

ALTOS® Loose Tube, Gel-Free, All-Dielectric Cable with FastAccess® Technology 96 F, Single-mode (OS2)

CORNING

Specifications

General Specifications	
Installation Methods	Aerial, Duct
Cable Type	Loose Tube
Environment	Outdoor
Product Type	Dielectric
Fiber Category	Single-mode (OS2)
Cable geometry	Round

Standards	
RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Common Installations	Outdoor lashed aerial and duct, indoor when installed according to National Electrical Code® (NEC®) Article 770
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	96
Outer Jacket Color	Black
Outer Jacket Material	Polyethylene (PE)
Buffer Tube Color	Blue, Orange, Green, Brown, Slate, White, Red, Black

ALTOS® Loose Tube, Gel-Free, All-Dielectric Cable with FastAccess® Technology 96 F, Single-mode (OS2)

CORNING

Cable Design	
Buffer Tube Diameter	2.5 mm (0.1 in)
Number of Active Tubes	8
Number of Tube Positions	8
Tape	Water-swellable
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	12.2 mm (0.48 in)
Min. Bend Diameter Installation	366 mm (14.41 in)
Min. Bend Diameter Operation	244 mm (9.61 in)

Optical Characteristics	
Fiber Code	E
Performance Option Code	01
Fiber Category	OS2
Fiber Type	Single-mode (OS2) / 250 µm
Fiber Name	Single-mode (OS2)
Maximum Attenuation	0.4 dB/km / 0.4 dB/km / 0.3 dB/km
Wavelengths	1310 nm / 1383 nm / 1550 nm
Fiber Compliance	ITU-T G.652.D

Dimensions	
Cable Weight	98 kg/km (65.85 lb/1000 ft)

ALTOS® Loose Tube, Gel-Free, All-Dielectric Cable with FastAccess® Technology 96 F, Single-mode (OS2)

CORNING

RoHS COMPLIANT

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.