ALTOS® Loose Tube, Gel-Free, All-Dielectric Cable with FastAccess® Technology 216 F, 50 µm multimode (OM4)

Part Number:
216TU4-T4790D20

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

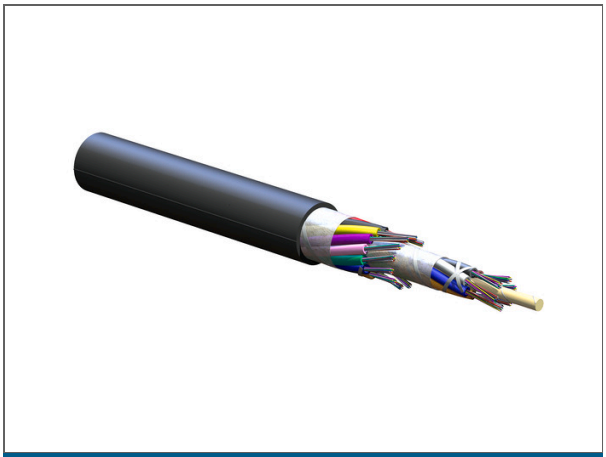
Simple access and no clean up

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



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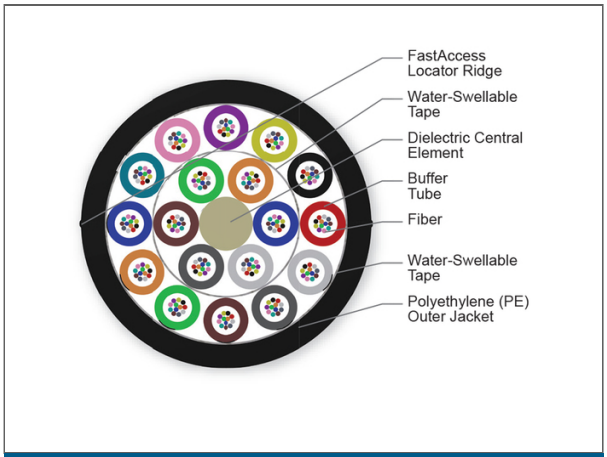

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Specifications

General Specifications	
Cable Type	Loose Tube
Environment	Outdoor
Product Type	Dielectric
Fiber Category	50 µm MM (OM4)
Application	Aerial, Duct
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	216
Buffer Tube Color Coding, Layer 1	Blue, Orange, Green, Brown, Slate, White
Outer Jacket Color	Black
Outer Jacket Material	Polyethylene (PE)

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Cable Design	
Buffer Tube Diameter	2.5 mm (0.1 in)
Number of Active Tubes	18
Number of Tube Positions	18
Tape	Water-swellable
Tape, Layer 2	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	16 mm (0.63 in)
Min. Bend Diameter Installation	480 mm (18.9 in)
Min. Bend Diameter Operation	320 mm (12.6 in)

Optical Characteristics	
Fiber Code	T
Fiber Name	50 µm MM (OM4)
Fiber Type	Multimode
Fiber Compliance	IEC 60793-2-10
Performance Option Code	90
Fiber Core Diameter	50 µm
Cladding diameter	125 µm
Minimum Effective Modal Bandwidth (EMB)	4700 MHz*km / -
Maximum Attenuation	3.0 dB/km / 1.0 dB/km
Min. Overfilled Launch (OFL) Bandwidth	3500 MHz*km / 500 MHz*km
Serial 1 Gigabit Ethernet	1000 m / 600 m

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Optical Characteristics	
Serial 10 Gigabit Ethernet	550 m / -
Wavelengths	850 nm / 1300 nm
Coating diameter	242 µm
Fiber Category	OM4

Dimensions	
Cable Weight	147 kg/km (98.78 lb/1000 ft)

RoHS COMPLIANT

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