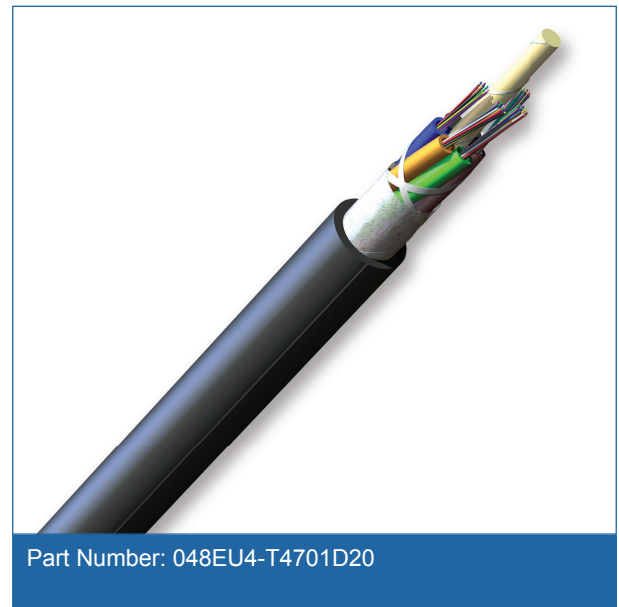


# ALTOS® Loose Tube, Gel-Free, All-Dielectric Cable with FastAccess® Technology

48 F, Single-mode (OS2)

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-swellaible 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  $\mu\text{m}$  and 50  $\mu\text{m}$ , 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

### Medium-density 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

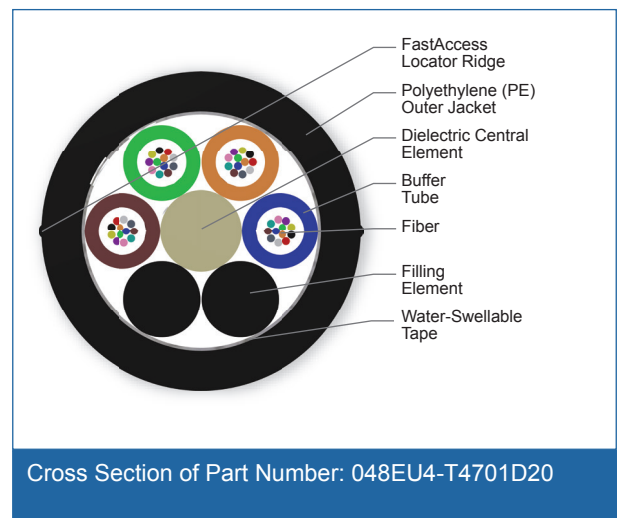
Simple access and no clean up

### Industry-standard performance

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

### Available in 62.5 $\mu\text{m}$ , 50 $\mu\text{m}$ , single-mode and hybrid versions

Ready for any application including Gigabit Ethernet and 10 Gigabit Ethernet



# ALTOS<sup>®</sup> Loose Tube, Gel-Free, All-Dielectric Cable with FastAccess<sup>®</sup> Technology

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## Standards

**Common Installations** Outdoor lashed aerial and duct; indoor when installed according to National Electrical Code<sup>®</sup> (NEC<sup>®</sup>) Article 770

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

## Specifications

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

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	48
Fiber Coloring	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Fibers per Tube	12
Number of Tube Positions	6
Number of Active Tubes	4
Buffer Tube Color Coding	Blue, Orange, Green, Brown
Buffer Tube Diameter	2.5 mm (0.1 in)
Number of Filling Elements	2
Tape	Water-swellable
Outer Jacket Material	Polyethylene (PE)

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## Cable Design

Outer Jacket Color	Black
Maximum Fibers per Tube	12

## Mechanical Characteristics Cable

Max. Tensile Strength, Short-Term	2700 N (600 lbf)
Max. Tensile Strength, Long-Term	890 N (200 lbf)
Weight	73 kg/km (49 lb/1000 ft)
Nominal Outer Diameter	10.5 mm (0.41 in)
Min. Bend Radius Installation	158 mm (6.2 in)
Min. Bend Radius Operation	105 mm (4.1 in)

## Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2002/95/EG
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## Fiber Specifications

### Optical Characteristics (cabled)

Fiber Name	Single-mode (OS2)
Fiber Category	G.652.D
Fiber Code	E
Performance Option Code	01
Wavelengths	1310 nm / 1383 nm / 1550 nm
Maximum Attenuation	0.4 dB/km / 0.4 dB/km / 0.3 dB/km

## Ordering Information

Part Number	048EU4-T4701D20
Product Description	ALTOS® Loose Tube, Gel-Free, All-Dielectric Cable with FastAccess® Technology, 48 F, Single-mode (OS2)
EAN Code	4056418178288

# ALTOS<sup>®</sup> Loose Tube, Gel-Free, All-Dielectric Cable with FastAccess<sup>®</sup> Technology

48 F, Single-mode (OS2)

The CORNING logo is displayed in white, uppercase letters within a solid blue square.

## Notes



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