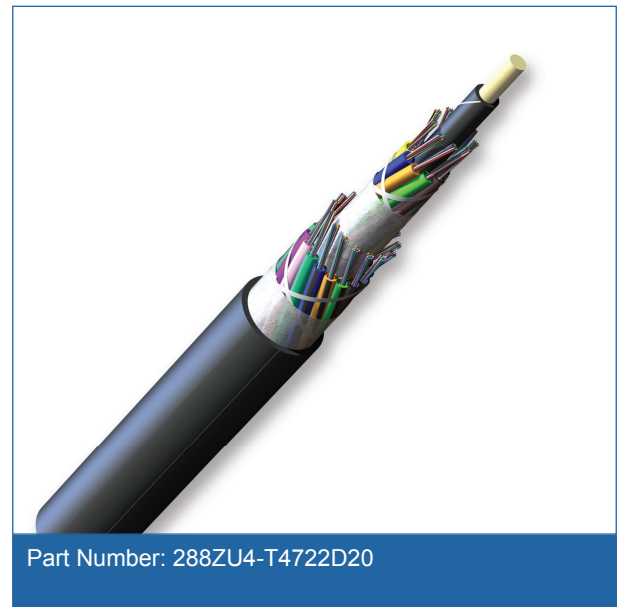


# ALTOS® Loose Tube, Gel-Free, All-Dielectric Cable with FastAccess® Technology

288 F, SMF-28® Ultra fiber, 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

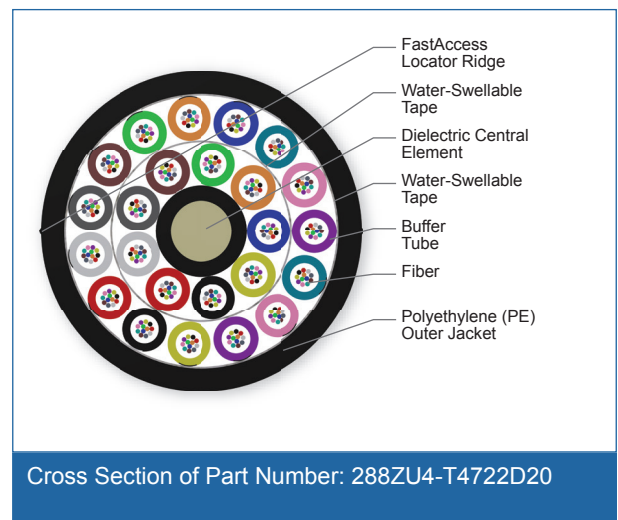
Simple access and no clean up

### 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



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## Standards

**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

## Specifications

General Specifications	
Environment	Outdoor
Application	Aerial, Duct
Cable Type	Loose Tube
Product Type	Dielectric
Fiber Category	SMF-28® Ultra fiber

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	288
Fiber Coloring	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Fibers per Tube	12
Number of Tube Positions	24
Number of Active Tubes	24
Buffer Tube Color Coding, Layer 1	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow
Buffer Tube Diameter	2.5 mm (0.1 in)
Tape	Water-swellable
Buffer Tube Color Coding, Layer 2	Violet, Rose, Aqua, Blue*, Orange*, Green*, Brown*, Slate*, White*, Red*, Black*, Yellow*, Violet*, Rose*, Aqua*
Tape, Layer 2	Water-swellable

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## Cable Design

Outer Jacket Material	Polyethylene (PE)
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	196 kg/km (131 lb/1000 ft)
Nominal Outer Diameter	18.2 mm (0.72 in)
Min. Bend Radius Installation	273 mm (10.7 in)
Min. Bend Radius Operation	182 mm (7.2 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	SMF-28® Ultra fiber
Fiber Category	G.652.D/G.657.A1
Fiber Code	Z
Performance Option Code	22
Wavelengths	1310 nm / 1383 nm / 1550 nm
Maximum Attenuation	0.34 dB/km / 0.34 dB/km / 0.22 dB/km
Typical Attenuation*	0.32 dB/km / 0.32 dB/km / 0.18 dB/km

\* For more information on typical attenuation please see the Corning whitepaper at [http://csmedia.corning.com/opcomm//Resource\\_Documents/whitepapers\\_rl/LAN-1863-AEN.pdf](http://csmedia.corning.com/opcomm//Resource_Documents/whitepapers_rl/LAN-1863-AEN.pdf)

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288 F, SMF-28® Ultra fiber, Single-mode (OS2)



## Ordering Information

Part Number	288ZU4-T4722D20
Product Description	ALTOS® Loose Tube, Gel-Free, All-Dielectric Cable with FastAccess® Technology, 288 F, SMF-28® Ultra fiber, Single-mode (OS2)
EAN Code	4056418138268



Corning Optical Communications LLC • PO Box 489 • Hickory, NC 28603-0489 USA

800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • [www.corning.com/opcomm](http://www.corning.com/opcomm)

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Corning Optical Communications RF LLC (Corning Gilbert) • 5310 W. Camelback Rd. • Glendale, AZ 85301 USA

800-528-5567 • FAX: 602-434-6358 • International: +1-623-245-1050 • [www.corning.com/opcomm](http://www.corning.com/opcomm)

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