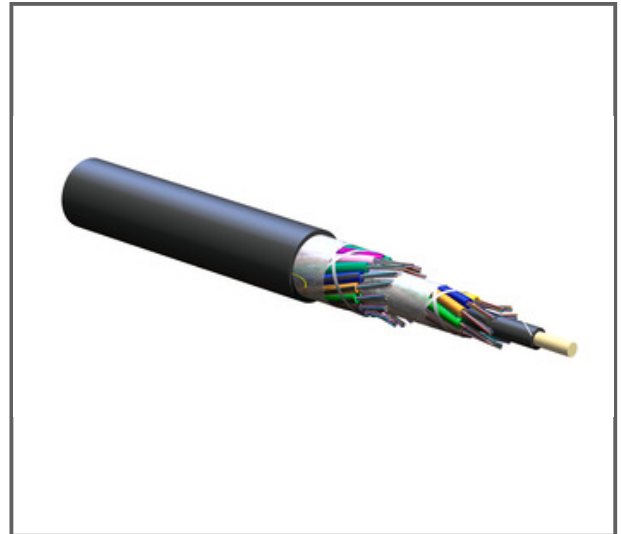


# ALTOS® Loose Tube, Gel-Free Cable 288 F, Single-mode (OS2)

CORNING

## Part Number: 288EU4-T4100D20

Corning ALTOS® all-dielectric gel-free cables are designed for outdoor and limited indoor use for backbones in lashed aerial and duct installations. The loose tube gel-free design is fully waterblocked using craft-friendly, water-swellaable materials, which means cable access is simple and no clean up is required. The flexible craft-friendly 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 cable construction requires no bonding or grounding, and these cables have a medium-density polyethylene jacket that is rugged, durable and easy to strip.



## Features and Benefits

### **Gel-free waterblocking technology**

Craft-friendly cable preparation

### **Polyethylene jacket**

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

### **All-dielectric construction**

Requires no grounding or bonding

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## Specifications

### Mechanical Specifications

Max. Tensile Strength, Long-Term	890 N
Max. Tensile Strength, Short-Term	2700 N
Min. Bend Radius Installation	273 mm (10.75 in)
Min. Bend Radius Operation	182 mm (7.17 in)
Nominal Outer Diameter	18.2 mm (0.72 in )

### Cable Design

Central Element	Dielectric
Fiber Count	288
Number of Ripcords	1
Buffer Tube Color Coding, Layer 1	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow
Outer Jacket Color	Black
Outer Jacket Material	Polyethylene (PE)
Buffer Tube Color Coding, Layer 2	Violet, Rose, Aqua, Blue*, Orange*, Green*, Brown*, Slate*, White *, Red*, Black*, Yellow*, Violet*, Rose*, Aqua*
Buffer Tube Diameter	2.5 mm (0.1 in)
Number of Active Tubes	24
Number of Tube Positions	24
Tape	Water-swellaable
Tape, Layer 2	Water-swellaable
Fiber Coloring	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua

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## Cable Design

Fibers per Tube	12
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## Environmental Conditions

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

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

Weight	196 kg/km
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## Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
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Common Installations	Outdoor lashed aerial and duct, indoor when installed according to National Electrical Code® (NEC®) Article 770
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Design and Test Criteria	ANSI/ICEA S-87-640
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# ALTOS® Loose Tube, Gel-Free Cable 288 F, Single-mode (OS2)

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## Optical Characteristics

Fiber Code	E
Fiber Name	Single-mode (OS2)
Fiber Type	Single-mode
Performance Option Code	00
Maximum Attenuation	0.35 dB/km / 0.35 dB/km / 0.25 dB/km
Wavelengths	1310 nm / 1383 nm / 1550 nm
Fiber Category	G.652.D



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