

ALTOS® Loose Tube, Gel-Free, Double-Jacket, Single-Armored Cable 192 F, Single-mode (OS2)

CORNING

Part Number:
192EU5-T4101D20

ALTOS® gel-free, double-jacket, single-armored cables are rugged, armored cables designed for direct-buried installation while suitable for duct and aerial (lashed) installation. The loose tube design provides stable performance over a wide temperature range and is compatible with any telecommunications-grade optical fiber.

Features and Benefits

Gel-free waterblocking technology

Craft-friendly cable preparation

Corrugated steel tape armor

Provides rodent resistance for direct-buried applications

Flexible, craft-friendly buffer tubes

Facilitate easy routing in closures

SZ-stranded, loose tube design

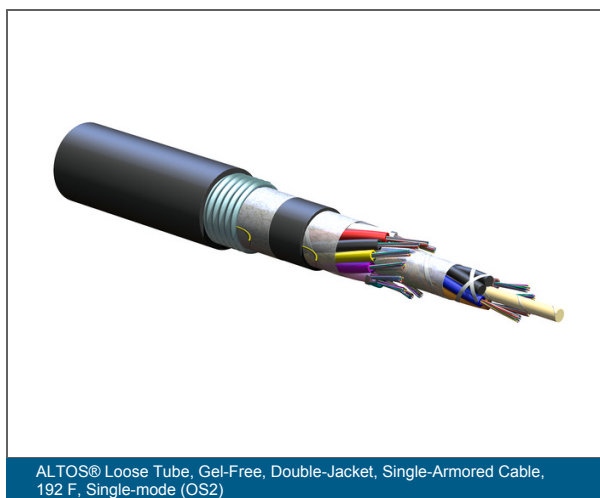
Isolates fibers from installation and environmental rigors and facilitates mid-span access

Dielectric central strength member

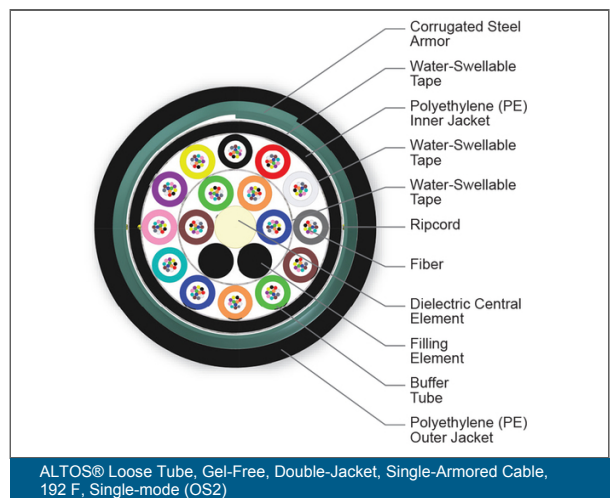
No preferential bend and requires no bonding or grounding

Polyethylene jacket

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



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Specifications

General Specifications

Installation Methods	Aerial, Direct Buried
Cable Type	Loose Tube
Environment	Outdoor
Product Type	Dielectric armor
Fiber Category	Single-mode (OS2)
Cable geometry	Round

Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Approvals and Listings	USDA Rural Development Programs
Design and Test Criteria	Telcordia GR-20, ICEA-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	192
Number of Ripcords	3
Buffer Tube Color Coding, Layer 1	Blue, Orange, Green, Brown
Outer Jacket Color	Black

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Cable Design

Outer Jacket Material	Polyethylene (PE)
Tensile Strength Elements and/or Armoring - Layer 1	Corrugated steel tape armor
Buffer Tube Diameter	2.5 mm (0.1 in)
Inner Jacket Material	Polyethylene (PE)
Number of Active Tubes	16
Number of Filling Elements	2
Number of Tube Positions	18
Tape	Water-swellaable
Tape, Layer 1	Water-swellaable
Tape, Layer 2	Water-swellaable
Tape, Layer 3	Water-swellaable
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	19.9 mm (0.78 in)
Min. Bend Diameter Installation	598 mm (23.54 in)
Min. Bend Diameter Operation	398 mm (15.67 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)

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Optical Characteristics

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	312 kg/km (209.65 lb/1000 ft)
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