

SST-Drop™ Single-Tube, Gel-Filled Cable

12 F, Single-mode (OS2)

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Corning Cable Systems SST-Drop™ Dielectric Cables offer the ease of installation of standard ALTOS® Cables in an easy-access, single-tube design. The dielectric version eliminates any bonding and grounding requirements. The cables are RDUP (RUS) Listed and offer exceptional crush resistance.

Features and Benefits

Standard ALTOS® Cable tube design in single-tube design

Standard practices and hardware compatibility

Crush resistance

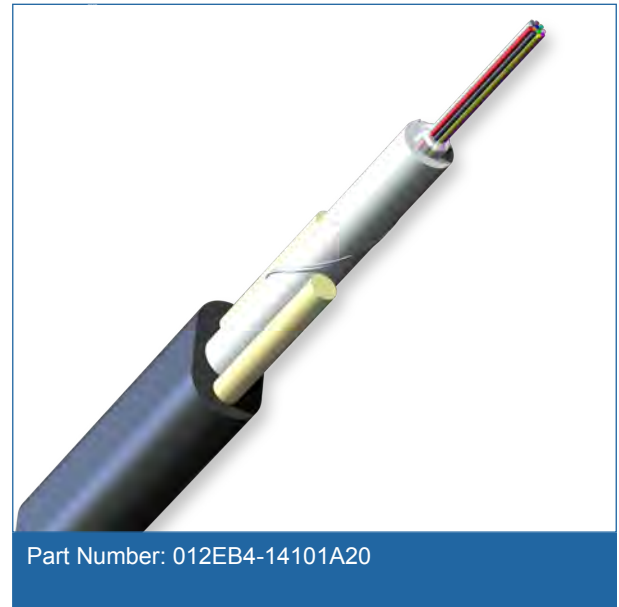
Fiber protection and signal integrity

RDUP (RUS) Listed

Material acceptability

Dielectric

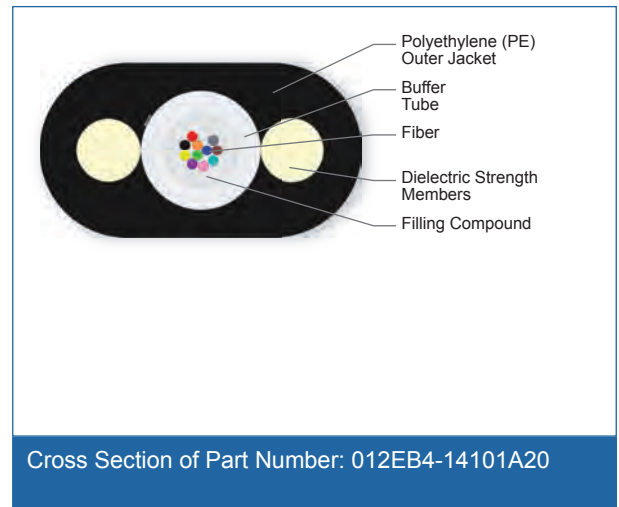
Eliminates bonding and grounding requirements



Standards

Approval and Listings

USDA Rural Development Programs



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Specifications

General Specifications

Environment	Outdoor
Application	Self-Supporting
Cable Type	Drop
Product Type	Self-Supporting
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

Fiber Count	12
Fiber Coloring	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Buffer Tube Diameter	3 mm (0.12 in)
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Outer Jacket Material	Polyethylene (PE)
Outer Jacket Color	Black
Buffer Tube Color Coding	Natural

Mechanical Characteristics Cable

Max. Tensile Strengths, Short-Term	1350 N (300 lbf)
Max. Tensile Strengths, Long-Term	400 N (90 lbf)
Weight	30 kg/km (20 lb/1000 ft)
Nominal Outer Diameter	8.1 mm x 4.5 mm (0.32 in x 0.17 in)
Min. Bend Radius Operation	80 mm (3.15 in)

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Chemical Characteristics

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

Optical Characteristics (cabled)

Fiber Type	Single-mode
Fiber Core Diameter	8.2 μm
Fiber Category	OS2
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
Serial 1 Gigabit Ethernet	5000 m / - / -
Serial 10 Gigabit Ethernet	10000 m / - / 40000 m

* ITU-T G.652 D compliant.

* Meets 0.75 ns optical skew when used in all Corning Cable Systems Plug & Play™/Pretium EDGE® Systems Solutions.

- Notes:
- 1) Improved attenuation and bandwidth options available.
 - 2) Bend-insensitive single-mode fibers available on request.
 - 3) Contact a Corning Cable Systems Customer Care Representative for additional information.

Ordering Information

Part Number	012EB4-14101A20
Product Description	SST-Drop™ Single-Tube, Gel-Filled Cable, 12 F, Single-mode (OS2)

Shipping Information

Convenient Contractor-sized Packaging Length	609.6 m gross weight 65 lbs; no specialized equipment needed (2,000 ft gross weight 65 lbs; no specialized equipment needed)
Traditional Bulk Packaging	up to 12100 m typically require reel payoff equipment; up to 40000 ft typically require reel payoff equipment

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

Notes



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