

SST-Drop™ Dielectric Cables, 1-12 Fibers

An Evolant®
Solutions Product

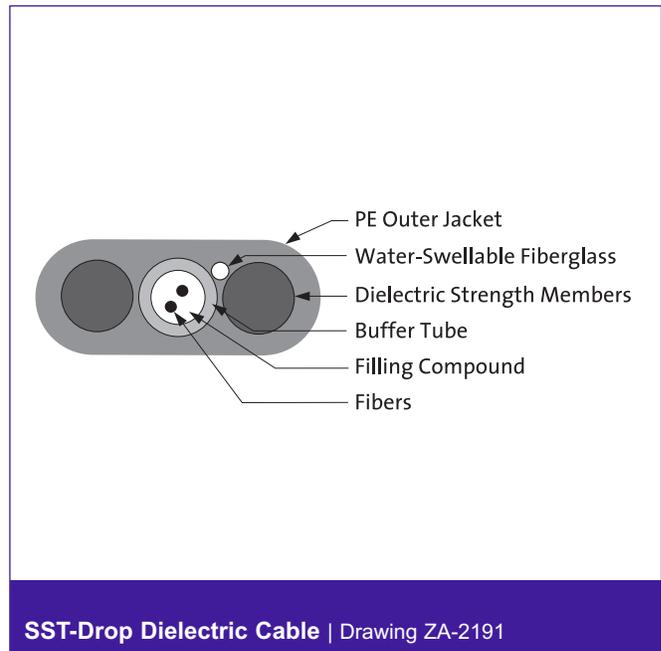
features and benefits |

Standard ALTOS® Cable buffer tube in single-tube design	Standard practices and hardware compatibility
Crush resistance	Fiber protection and signal integrity
Dielectric version	Eliminates bonding and grounding requirements

Corning Cable Systems SST-Drop™ Dielectric Cables provide the simple installation of standard ALTOS® Cable with an easy-access, single-tube design. The small, lightweight cables offer exceptional crush resistance and handle a wide range of temperatures. Compatible with industry-standard hardware and available in preconnectorized assemblies, SST-Drop Cables are the perfect solution for drop applications. A drop cable access tool is also available, making installations faster, safer and easier.

standards |

RDUP (formerly RUS) listed



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specifications |

Duct/Direct Buried Installation Maximum Tensile Loads
 Short-Term: 1350 N (300 lbf)
 Long-Term: 400 N (90 lbf)

Aerial Installation Maximum Tensile Load
 1350 N (300 lbf)

Temperatures
 Storage: -40° to +70°C (-40° to +158°F)
 Installation: -30° to +70°C (-22° to +158°F)
 Operating: -40° to +70°C (-40° to +158°F)

NESC Environmental Loading Condition for Subscriber Drop Application	1% Installation Sag Maximum Span Distance m (ft)	Sag at Environmental Loading (%)	3% Installation Sag Maximum Span Distance m (ft)	Sag at Environmental Loading (%)
Heavy	45.7 (150)	4.5	56.1 (184)	5.5
Medium	77.7 (255)	4.1	97.5 (320)	5.3
Light	100.6 (330)	3.8	134.1 (440)	5.2

Note: Longer spans are possible if maximum applied load is not exceeded during environmental loading. Span calculations require known initial loading (force or percent sag), cable weight and anticipated environmental loads. Corning Cable Systems Engineering Services will assist with span calculations for unique circumstances. Contact 800-743-2671 or +1-828-901-5000 internationally for more information. Information given is for aerial self-supporting.

Fiber Count	Buffer Tube Outer Diameter mm (in)	Nominal Weight kg/km (lb/1000 ft)	Nominal Dimensions mm (in)	Minimum Bend Radius Installed cm (in)
1-12	3.0 (0.12)	30 (20)	8.1 x 4.4 (0.32 x 0.17)	8.0 (3.15)

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transmission performance |

Fiber Code	K	E
Performance Option Code	30	01
Optical Fiber Type (µm)	62.5/125 Multimode	Single-mode*
ISO/IEC 11801 Nomenclature	OM1	OS2
Wavelength (nm)	850/1300	1310/1383/1550
Maximum Attenuation (dB/km)	3.4/1.0	0.4/0.4/0.3
Minimum Over Filled Launch (OFL) Bandwidth (MHz•km)	200/500	- / - / -
Minimum Effective Modal Bandwidth (EMB) (MHz•km)	220/ -	- / - / -
Serial 1 Gigabit Ethernet Distance (m)	300/550	5000/ - / -
Serial 10 Gigabit Ethernet Distance (m)	33/ -	10000/ - /40000

* ITU 652.D compliant.

Notes:

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

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ordering information | Contact Customer Service at 800-743-2671 for other options.

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	B	4	-	1	4	1	<input type="checkbox"/>	<input type="checkbox"/>	A	2	0
1	2	3	4	5	6		7	8	9	10	11	12	13	14

|1-3

Select fiber count (001 to 012).

|5 / 12

Defines cable type.
B / A = SST-Drop™ Cable

|7

Defines fiber placement.
1 = All fibers in same tube (standard)

|9

Defines tensile strength.
1 = 1350 N (300 lbf)

|4

Select fiber code (see Transmission Performance table).

|6

Defines jacket.
4 = Dielectric strength members/PE jacket

|8

Defines length markings.
4 = Markings in feet (standard)

|10-11

Select performance option code (see Transmission Performance table).



SST-Drop Cable Access Tool | Photo CAB014

|13-14

Defines special requirements.
20 = No special requirements

Packaging Options

Convenient Contractor-Sized Packaging 609.6 m (2000 ft); gross weight 75 lbs; no specialized equipment needed

Traditional Bulk Packaging Up to 12,100 m (40,000 ft); typically requires reel payoff equipment

Part Number	Description
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Accessories

FDST-000	SST-Drop™ Cable Access Tool
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Note: Corning Cable Systems Standard Recommended Procedure SRP-005-066

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