

# SST-Drop™ Dielectric Cables

## 1-12 Fibers

An Evolant® Solutions Product

Corning  
Cable Systems

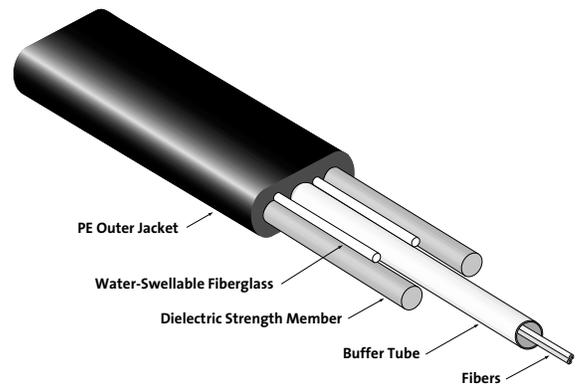
### Description

SST-Drop™ Cables offer the ease-of-installation of standard ALTOS® Cable in an easy-access single-tube design. Ideally suited for low-cost subscriber drop applications, the all-dielectric version of the SST-Drop Cable eliminates any bonding and grounding requirements.

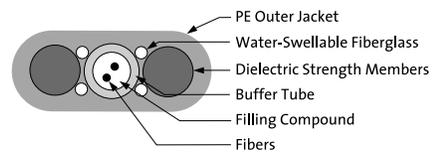
Optical drop cables are intended primarily for operation in the last portion of an all-optical network, such as fiber-to-the-home (FTTH) or fiber-to-the-business (FTTB) networks, bridging the space between the distribution network and the subscriber premises. The subscriber premises in this case is a residential property or small- to medium-sized business located in a facility that can be serviced by an optical cable having 12 fibers or less. Most applications will only require drop cables with two or four fibers. Typical drop cable distances are 100 m or less.

### Features / Benefits

- Aerial self-supporting or direct buried
- All-dielectric design eliminates bonding/grounding
- Works with industry-standard wedge clamps
- Available in preconnectorized assemblies
- Standard ALTOS Cable buffer tube in an easy-access stranded single-tube design
  - Standard craft practices
  - Standard hardware compatibility
- Exceptional crush resistance



SST-Drop Dielectric Cables | Drawing ZA-2190



Cross-Section View of SST-Drop Cable | Drawing ZA-2191

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### Specifications

<b>Storage Temperature</b>	-40° to +70°C (-40° to +158°F)
<b>Installation Temperature</b>	-30° to +70°C (-22° to +158°F)
<b>Operating Temperature</b>	-40° to +70°C (-40° to +158°F)
<b>Duct/Direct Buried Installation Maximum Tensile Loads</b>	Short-Term: 1350 N (300 lbf) Long-Term: 400 N (90 lbf)
<b>Aerial Installation Maximum Tensile Loads</b>	1350 N (300 lbf)

NECS Environmental Loading Condition	1% Installation Sag		3% Installation Sag	
	Maximum Span Distance m (ft)	Sag at Environmental Loading (%)	Maximum Span Distance m (ft)	Sag at Environmental Loading (%)
Heavy	45.7 (150)	4.6	54.9 (180)	5.6
Medium	77.7 (255)	4.4	96.0 (315)	5.5
Light	132.6 (435)	4.1	173.3 (570)	5.4

*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 1-800-743-2671 or +1-828-901-5000 internationally for more information. Information given is for aerial self-supporting installations.*

Fiber Count	Buffer Tube Outer Diameter mm (in)	Nominal Weight kg/km (lb/1000 ft)	Nominal Dimensions <sup>1</sup> mm (in)	Minimum Bend Radius Installed cm (in)
1-12	3.0 (0.12)	34 (23)	8.2 x 4.5 (0.32 x 0.17)	8.0 (3.15)

<sup>1</sup>Actual dimensions may vary by ±5%.

### Packaging Options

<b>Convenient "Contractor-Sized" Packaging Gross Weight 65 lbs – no specialized equipment needed</b>	609.6 m (2000 ft)
<b>Traditional Bulk Packaging (typically requires reel payoff equipment)</b>	up to 6096 m (20000 ft)

