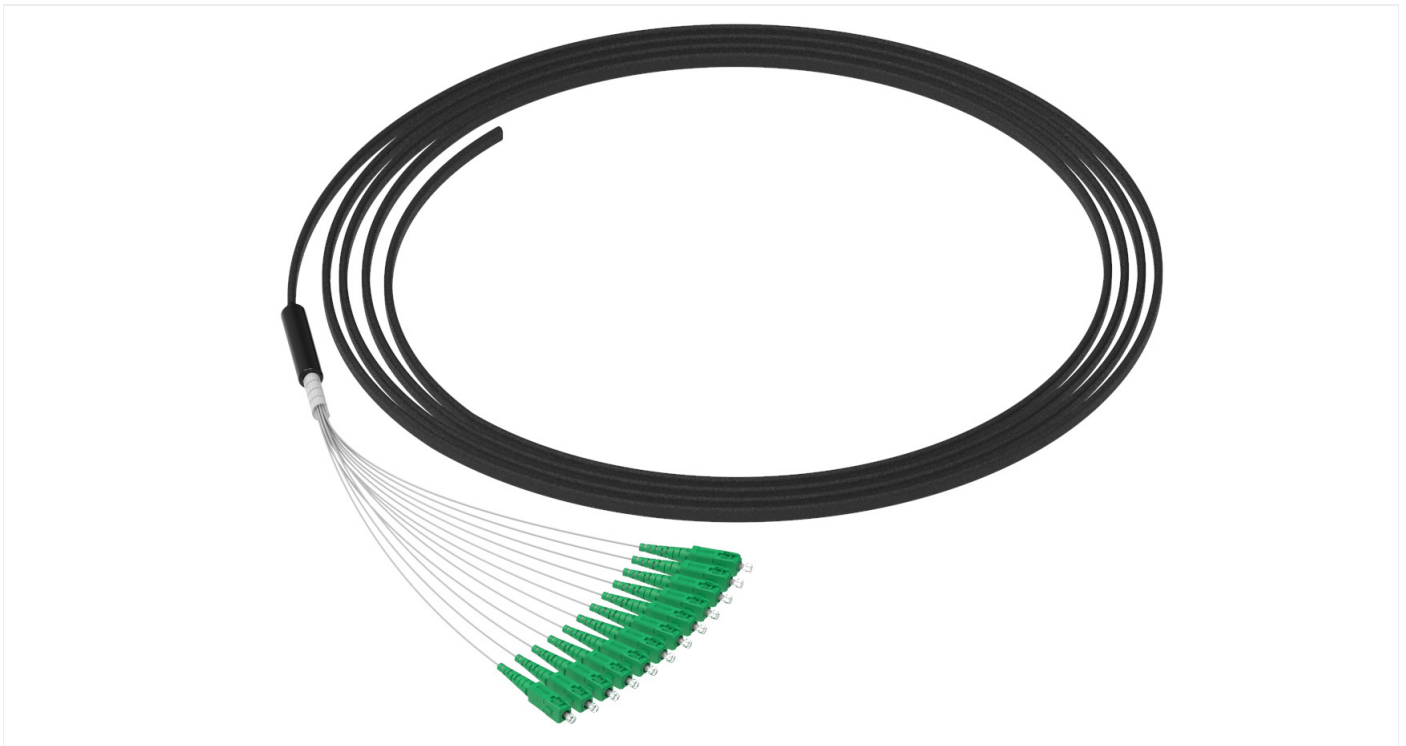


SST-Drop™ Outdoor Cable Assembly



Semi-Precon 12 F SST LBL with SC APC on one end, 0.35 m 0.9 mm legs

4-12 F, Corning® SMF-28® Ultra Single-Mode Fibre (G.652.D/G.657.A1) or 4-12 F, Corning® ClearCurve® LBL Fibre (G.657.A2/B2)

As an industry leader in optical connectivity products, Corning designs and manufactures the SST-Drop™ cable assembly with factory-terminated connectors to deliver an immediate, ready-to-install cable in both the feeder and drop parts of an optical network between the distribution network and the subscriber.

Corning's SST outdoor dielectric cable offers the ease of installation of standard loose tube cables in an easy-access, single-tube design. Two parallel strength members give this cable its exceptional crush resistance and flat shape, making it an extremely robust ideal for any outdoor installation.

This cable can also feature Corning® SMF-28® Ultra single-mode fibre, which combines industry-leading attenuation and improved macrobend performance in one fibre. This full-spectrum fibre is G.652.D and G.657.A1 compliant. At the same time, it remains fully backward-compatible to existing single-mode fibres with 9.8 µm mode field diameter for seamless integration into existing access networks. For more challenging environments, this cable can also feature Corning® ClearCurve® LBL fibre, which exceeds the ITU-T G.657.A2/B2 recommendation, delivering enhanced macrobend performance while remaining compatible with G.652.D fibres.

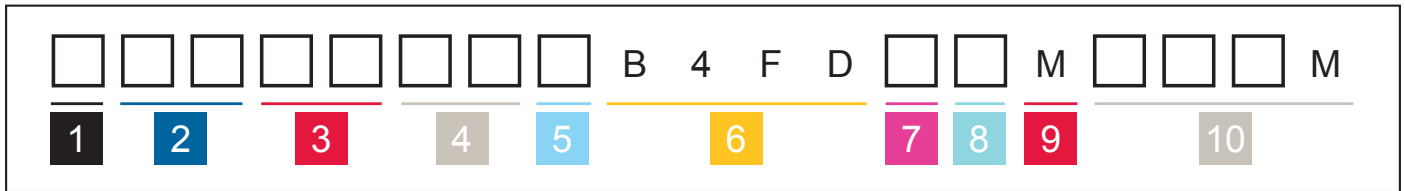
The SST cable assembly is best suited to connect directly into a PBO closure in outdoor deployments—and to a building access terminal (BAT) for indoor deployments.

Features	Benefits
Faster Connectivity	The assembly enables direct connectivity inside the terminal closure, reducing installation times by up to 2.5x
Versatility	Suitable for various installation environments (aerial, facade or duct)
Smaller Profile	10x better macrobend loss than G.652.D standard fibres allow for reduced bend-radius
Extended Link Length	10% lower fibre attenuation over conventional ITU-T G.652 fibre types results in up to 20% coverage
Reliability	Our connectors are pre-radius polished to provide the optimal end-face geometry for long-term performance
Dual-Ended or Pigtailed Versions	Assembly available with one or both ends terminated in SC APC connectors
Leg Options	Available with 2.0 or 0.9 mm fan-outs and different lengths to accommodate different connectivity options
Flexible Length Offerings	10 to 300 m (other lengths available)
Smart Packaging	Delivered in coils up to 100 m (in drums for longer lengths)

Specifications				
Connector	Simplex SC APC	Simplex SC UPC	Simplex LC APC	Simplex LC UPC
Design	SC type, ceramic ferrule, composite housing, individual boot, non-keyed		LC type, ceramic ferrule, composite housing, individual boot, non-keyed	
Maximum Insertion Loss	0.40 dB	0.25 dB	0.40 dB	0.25 dB
Maximum Reflectance	-65 dB	-55 dB	-65 dB	-55 dB
Durability	≤ 0.2 dB 1000 rematings, FOTP-21			
Cable				
Name	SST-Drop™ outdoor cable			
Cable Type	Standard loose tube in single-tube design			
Application	Outdoor			
Fibre Count	12			
Design	12 fibres per tube, 1 tube position, 2 dielectric strength members			
Buffer Tube Diameter	3 mm			
Outer Jacket Material	Polyethylene (PE) - Black			
Weight	30 kg/km			
Nominal Outer Diameter	8.1 mm x 4.5 mm			
Min. Bend Radius Installation	80 mm			
Min. Bend Radius Operation	80 mm			
Max. Tensile Strength, Short-Term	1350N			
Max. Tensile Strength, Long-Term	400N			
Crush Resistance	3000N/10 cm			
Max. Span Length (NESC® Heavy/Medium/Light)	45 m/77 m/100 m			
Max. Tension (NESC Heavy/Medium/Light)	1283N/1208N/1168N			

Specifications		
Fibre	Corning® SMF-28® Ultra Fibre	Corning® ClearCurve® LBL Fibre
Type	Single-mode	Single-mode
Fibre Category	ITU-T G.652.D and ITU-T G.657.A1	ITU-T G.657.A2/B2
Maximum attenuation (1310 nm / 1383 ± 3 nm / 1550 nm / 1625 nm)	≤ 0.32 dB/km / ≤ 0.32 dB/km / ≤ 0.18 dB/km / ≤ 0.20 dB/km	≤ 0.35 dB/km / ≤ 0.35 dB/km / ≤ 0.20 dB/km / ≤ 0.23 dB/km
Macrobend Loss 1 turn x 10 mm radius @ 1550 nm	≤ 0.50 dB	N/A
Macrobend Loss 1 turn x 10 mm radius @ 1625 nm	≤ 1.5 dB	N/A
Macrobend Loss 1 turn x 7.5 mm radius @ 1550 nm	N/A	≤ 0.4 dB
Macrobend Loss 1 turn x 7.5 mm radius @ 1625 nm	N/A	≤ 0.8 dB
Cable Cutoff Wavelength	≤ 1260 nm	≤ 1260 nm
Mode Field Diameter (1310 nm/1550 nm)	9.2 ± 0.4 μm / 10.4 ± 0.5 μm	8.6 ± 0.4 μm / 9.6 ± 0.5 μm
Dispersion (1310 nm/1550 nm)	≤ 18.0 ps/(nm·km) / ≤ 22.0 ps/(nm·km)	≤ 18.0 ps/(nm·km) / ≤ 23.0 ps/(nm·km)
Temperature Range		
Storage	-40°C to 70°C	
Installation	-30°C to 70°C	
Operation	-40°C to 70°C	
Standards		
RoHS	Free of hazardous substances according to RoHS 2011/65/EU	

Ordering Information



1 Pulling grip and sealing options

- C = No pulling grip
- A = 1 pulling grip (on external side of the reel)
- B = 2 pulling grips

2 Select 1st connector

- 00 = No Connector (Pigtail)
- 02 = LC UPC Simplex
- 22 = LC APC Simplex
- 44 = SC APC Simplex
- 58 = SC UPC Simplex

3 Select 2nd connector

- Select connector code two.
- See options listed above.

4 Select fibre count

- 04 = 4 fibres
- 06 = 6 fibres
- 08 = 8 fibres
- 12 = 12 fibres

5 Select fibre type

- G = E9 ULTRA
- J = LBL
- U = ZBL

6 Select drop cable type

- B4FD = 4 F-12 F SST-Drop™

7 Select leg length and diameter for 1st connector

- 0 = Not Applicable (e.g. pigtail/no furcation)
- A = 250 mm (-0+100 mm) teflon 900 µm
- B = 300 mm (-0+100 mm) teflon 900 µm
- C = 350 mm (-0+100 mm) teflon 900 µm
- D = 400 mm (-0+100 mm) teflon 900 µm
- E = 450 mm (-0+100 mm) teflon 900 µm
- F = 500 mm (-0+100 mm) teflon 900 µm
- G = 600 mm (-0+100 mm) teflon 900 µm
- H = 700 mm (-0+100 mm) teflon 900 µm
- I = 800 mm (-0+100 mm) teflon 900 µm
- J = 900 mm (-0+100 mm) teflon 900 µm
- K = 1000 mm (-0+100 mm) teflon 900 µm
- L = 250 mm (-0+100 mm) fan-out 2.0 mm
- M = 300 mm (-0+100 mm) fan-out 2.0 mm
- N = 350 mm (-0+100 mm) fan-out 2.0 mm
- P = 400 mm (-0+100 mm) fan-out 2.0 mm
- Q = 450 mm (-0+100 mm) fan-out 2.0 mm
- R = 500 mm (-0+100 mm) fan-out 2.0 mm
- S = 600 mm (-0+100 mm) fan-out 2.0 mm
- T = 700 mm (-0+100 mm) fan-out 2.0 mm
- U = 800 mm (-0+100 mm) fan-out 2.0 mm
- V = 900 mm (-0+100 mm) fan-out 2.0 mm
- W = 1000 mm (-0+100 mm) fan-out 2.0 mm

8 Select leg length and diameter for 2nd connector

- Please see above leg lengths and diameters

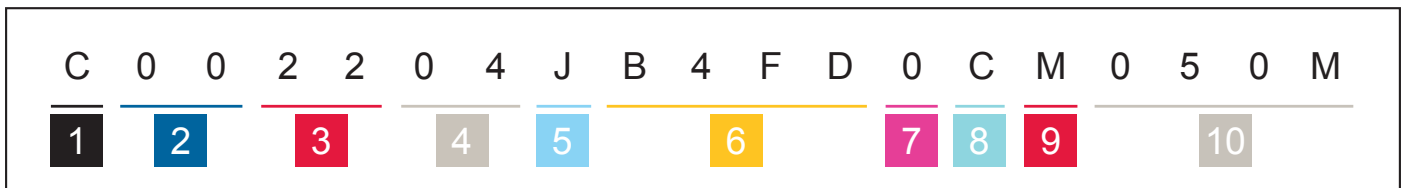
9 Internally used digit, no selection for customer

10 Select length in metres

- 003-200 = M
- Minimum length is 3 m (furcation to furcation). Please contact Customer Care for lengths over 200 m

Example: Semi-Precon 4 F SST LBL with LC APC on one end, 0.35 m 0.9 mm legs, 50 m

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