

Indoor/Outdoor Round Drop Cable Assembly



1 F, Corning® ClearCurve® LBL Fibre (G.657.A2/B2) or ClearCurve ZBL Single-Mode Fibre (G.657.B3), 5 mm Round Drop Cable Assembly.

Corning designs and manufactures the Round Drop cable assembly with factory-terminated connectors to reduce drop cable installation time significantly in delivering an immediate, ready-to-install cable drop for subscriber connectivity in an optical network.

Corning indoor/outdoor 5 mm Round Drop cable assemblies are dielectric yet robust and flexible, with no preferential bend, providing durability and reliability in the drop segment of the network. The assembly is designed for short-span, self-supporting aerial installations as well as to be installed on facades, poles, and ducts in FTTH deployments. The outer jacket is UV-stabilized PE and FRNC rated which enable the cable to be installed outdoors and indoors. The inner jacket is comprised of a protective buffer made of the flame-retardant blend of high-strength and crush-resistant materials.

This assembly partners exceedingly well with our PBO and BPEO closures, and it is suitable for any outdoor and indoor installation.

Features	Benefits
Faster Connectivity	Eliminates the need for termination hardware connecting directly from outdoors to indoors into the subscriber equipment
Versatility	Suitable for various installation environments (aerial, facade, or duct)
Flexible & Robust	Easy installation in space-constrained areas; virtually zero bend loss when subjected to small radius bends
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/UPC and LC APC/UPC connectors
Flexible Length Offerings	10 to 200 m (all other lengths available)
Smart Packaging	Delivered in coils for easy logistics

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	Indoor/Outdoor 5 mm Round Drop Cable			
Cable Type	Standard in/out tight buffer one fibre drop			
Application	Indoor/Outdoor			
Fibre Count	1			
Design	1 fibre per tube, 1 central gel-filled 2.0 mm tube, fully waterblocked, Dca rated 5.0 mm cable			
Buffer Tube Diameter	0.9 mm (tight buffered)			
Outer Jacket Material	Flame-retardant, non-corrosive/low-smoke, zero-halogen (FRNC/LSZH) material - Black			
Weight	2.8 kg/100MTR			
Nominal Outer Diameter	5 mm			
Min. Bend Radius Installation	50 mm			
Min. Bend Radius Operation	15 mm			
Max. Tensile Strength, for installation	1000N			
Crush Resistance (Reversible) Cable	800N/10 cm			
Max. Span Length (NESC® Heavy/Medium/Light) 1% installation sag	46 m/90 m/134 m			
Max. Span Length (NESC Heavy/Medium/Light) 3% installation sag	58 m/110 m/166 m			

Specifications

Fibre	Corning® ClearCurve® LBL Fibre	ClearCurve ZBL Fibre
Type	Single-mode	Single-mode
Fibre Category	ITU-T G.657.A2/B2	ITU-T G.657.B3
Maximum Attenuation (1310 nm/1383 ± 3 nm/1550 nm/1625 nm)	≤ 0.35 dB/km / ≤ 0.35 dB/km / ≤ 0.20 dB/km / ≤ 0.23 dB/km	≤ 0.35 dB/km / ≤ 0.35 dB/km / ≤ 0.20 dB/km / ≤ 0.23 dB/km
Macrobend Loss 1 turn x 7.5 mm radius @ 1550 nm	≤ 0.4 dB	N/A
Macrobend Loss 1 turn x 7.5 mm radius @ 1625 nm	≤ 0.8 dB	N/A
Macrobend Loss 1 turn x 5 mm radius @ 1550 nm	N/A	≤ 0.10 dB
Macrobend Loss 1 turn x 5 mm radius @ 1625 nm	N/A	≤ 0.30 dB
Cable Cutoff Wavelength	≤ 1260 nm	≤ 1260 nm
Mode Field Diameter (1310 nm / 1550 nm)	8.6 ± 0.4 μm/9.6 ± 0.5 μm	8.6 ± 0.4 μm/9.6 ± 0.5 μm
Dispersion (1310 nm / 1550 nm)	≤ 18.0 ps/(nm·km) / ≤ 23.0 ps/(nm·km)	≤ 18.0 ps/(nm·km) / ≤ 22.0 ps/(nm·km)
Temperature Range		
Storage Temperature	-40°C to 70°C	
Installation Temperature	-5°C to 50°C	
Operating Temperature	-30°C to 70°C	
Standards		
RoHS	Free of hazardous substances according to RoHS 2011/65/EU	
CPR Rating	Dca s1 d0, a1	
Design and Test Criteria	Flame retardant according to IEC 60332-1-2 (single cable), Flame retardant according to IEC 60332-3-24 (bunch of cables), Zero Halogen according to IEC 60754-1, Noncorrosive according to IEC 60754-2 and EN 50267, Reaction to fire according to EN 50575 and EN 13501-6	

Ordering Information

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	0	1	<input type="text"/>	R	5	D	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	P	<input type="text"/>	<input type="text"/>	<input type="text"/>	M
											A		B						
1	2	3	4	5	6	7	8	9	10	11									

- 1** Pulling grip and sealing options
C = No pulling grip
A = 1 pulling grip (on external side of the coil)
B = 2 pulling grips
- 2** Select 1st connector (on external side of the coil)
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
01 = 1 fibre
- 5** Select fibre type
G = E9 Ultra
J = LBL
U = ZBL
- 6** Select cable type
R5 = Round Drop 5.0 Cable
- 7** Cable Flame Rate
D = CPR Dca
- 8A** Select leg length for leg side A (external)*
9A Select leg length for leg side B
0 = Pigtail end**
E = 250 mm
J = 300 mm
G = 350 mm
C = 400 mm
T = 450 mm
U = 500 mm
K = 600 mm
W = 700 mm
D = 800 mm
I = 900 mm
L = 1000 mm
- 8B** Select diameter for leg A (external)
9B Select diameter for leg B
0 = Pigtail end (choose when A is 0 too)
A = Fan-out 2.0 mm
C = Fan-out 2.8 mm
- 10** Product Segment
P = Straight-through (Type A)
- 11** Length in M

*Select first digit from 8A and second digit from 8B to complete two field order grid for Nr. 8. Same logic applies for Nr. 9.

**Select 0 for 8A and 0 for 8B again when selecting a Pigtail end. Same applied to Nr. 9.

Example: Semi-Precon 1 F Round Drop LBL with SC APC on one end (connectorised end external side of coil), 250 mm, 2.0 mm leg, 100 m coil

C	4	4	0	0	0	1	J	R	5	D	E	A	0	0	P	1	0	0	M
											A		B						
1	2	3	4	5	6	7	8	9	10	11									

CORNING

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