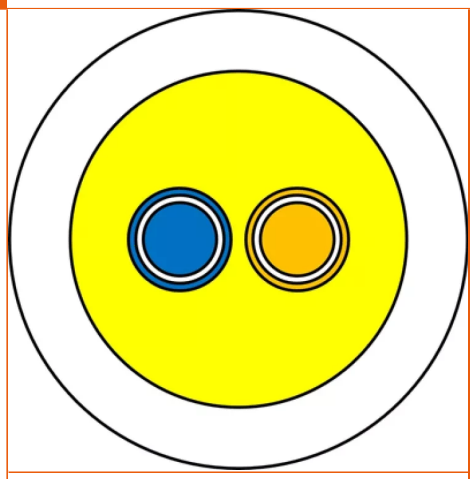
Pre-Connectorized Drop Cable (PCDC)

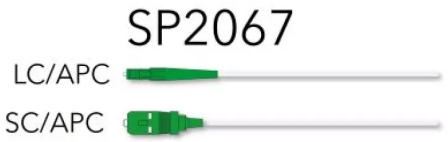
INDOOR (B2CA) SEMI TIGHT BUFFER



Aginode Ref: PCDCWxxxx - SP2067

This cable has a semi-tight buffered fiber, reinforced with aramid yarns and protected by a UV-stabilized white LSZH sheath, meeting CPR Class B2Ca fire performance standards.

This cable features a semi-tight buffer construction with a single bare optical fiber, providing a balance between flexibility and protection. It is available with 1, 2 or 4 buffered fibres. It is reinforced with aramid yarns for added tensile strength and covered with a white LSZH (low smoke zero halogen) outer sheath that is UV-stabilized for outdoor or exposed indoor use. The cable meets the high fire performance requirements of CPR Class B2Ca.



STANDARDS

IEC 60794
IEC 60793

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Aginode is indicative only and shall not be binding on Aginode or be treated as constituting a representation on the part of Aginode.

Test Methods

All optical measurements at 1550 nm

Test	Conditions	Acceptance criteria
Tension Loading IEC 60794-1-21 E1	Tensile strength: 250N Sample length: ≥50 m, 1 min	Δα≤0.1dB
Crush/Compression IEC 60794-1-21 E3	Crush: 15Kg/cm, 1min Number of tests: 3, at least 20cm apart.	After test, Δα≤0.05dB No damage
Impact IEC 60794-1-21 E4	Impact energy:1Nm number of test: 3	After test, Δα≤0.05dB No damage
Torsion IEC 60794-1-21 E7	2m cable, ±180°	After test, Δα≤0.05dB No damage
Bending IEC 60794-1-21 E11A	10 turns, 5 cycles, R=10D	After test, Δα≤0.1dB No damage
Temperature cycling IEC 60794-1-22 F1	-5~+60°C, t1=180min, 2 cycles	Δα≤0.1dB/km

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Aginode is indicative only and shall not be binding on Aginode or be treated as constituting a representation on the part of Aginode.

Indoor (B2Ca) semi tight buffer

Eigenschaften

Konstruktionsmerkmale	
Farbe	weiss
Verbindertype	SC/APC LC/APC
dielektrisch	Yes
Fasertyp	SM (G657.A2)
Außenmantel	LSZH
Kabeltype	Indoor
Abmessungsmerkmale	
Nettogewicht ca.	6 kg/km
Kabeldurchmesser	2.8 mm
Anzahl der optischen Fasern	1...4
Mechanische Eigenschaften	
Querdruckwiderstand (EN 187 000)	15 kg/cm
Max. Zuglast	Install 250 (service 70) N
Übertragungseigenschaften	
Insertion Loss, maximum, dB	0.25 dB
Insertion loss, typical value	0.12 dB
Rückflussdämpfung, max. dB	65 dB
Anwendungsmerkmale	
Einsatzbereich	Customer connection
Umgebungstemperatur, Bereich	-5...60 (operation -5...60) °C
Art der Installation	Indoor
Minimaler Biegerradius - Installiert	R=10D without tension mm
Verpackung	PCDC packaging

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Aginode is indicative only and shall not be binding on Aginode or be treated as constituting a representation on the part of Aginode.