

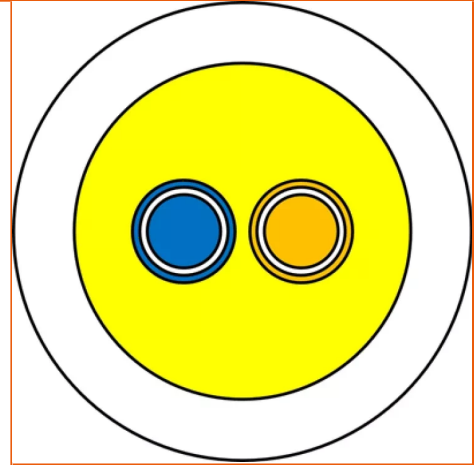
Pre-Connectorized Drop Cable (PCDC)

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.



SP2067

LC/APC 

SC/APC 

STANDARDS

IEC 60794

IEC 60793

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	$\Delta\alpha \leq 0.1\text{dB}$
Crush/Compression IEC 60794-1-21 E3	Crush: 15Kg/cm, 1min Number of tests: 3, at least 20cm apart.	After test, $\Delta\alpha \leq 0.05\text{dB}$ No damage
Impact IEC 60794-1-21 E4	Impact energy: 1Nm number of test: 3	After test, $\Delta\alpha \leq 0.05\text{dB}$ No damage
Torsion IEC 60794-1-21 E7	2m cable, $\pm 180^\circ$	After test, $\Delta\alpha \leq 0.05\text{dB}$ No damage
Bending IEC 60794-1-21 E11A	10 turns, 5 cycles, R=10D	After test, $\Delta\alpha \leq 0.1\text{dB}$ No damage
Temperature cycling IEC 60794-1-22 F1	-5~+60°C, t1=180min, 2 cycles	$\Delta\alpha \leq 0.1\text{dB/km}$

Indoor (B2Ca) semi tight buffer

Eigenschaften

Konstruktionsmerkmale

Farbe	weiss
Verbindertyp	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
Rückflusdämpfung, 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