

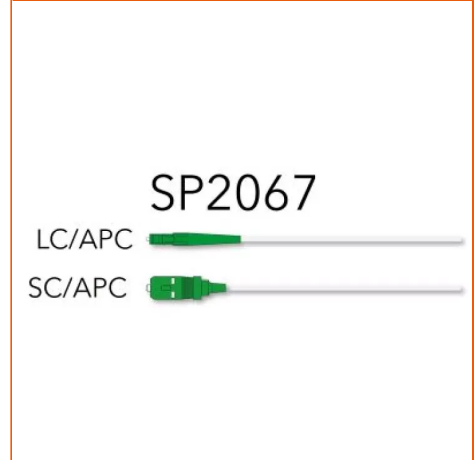
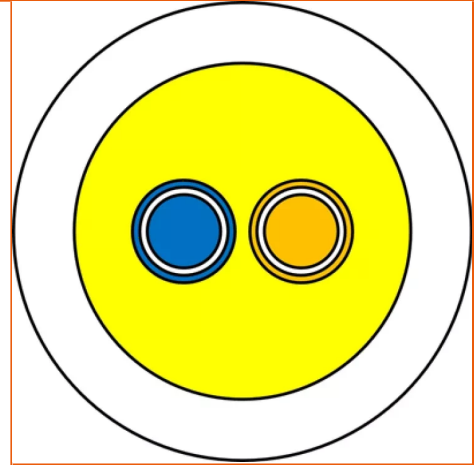
Pre-Connectorized Drop Cable (PCDC)

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

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

Indoor (B2Ca) semi tight buffer

Caractéristiques

Caractéristiques de construction

Couleur	Blanc
Type de connecteur	SC/APC LC/APC
Dielectric	Yes
Type de fibres optiques	SM (G657.A2)
Gaine extérieure	Faible dégagement de fumée et sans halogène
Type de câble	Indoor

Caractéristiques dimensionnelles

Masse approximative	6 kg/km
Diamètre du câble	2.8 mm
Nombre de fibres optiques	1...4

Caractéristiques mécaniques

Résistance à l'écrasement	15 kg/cm
Force de traction maximale	Install 250 (service 70) N

Caractéristiques de transmission

Insertion Loss, maximum, dB	0.25 dB
Insertion loss, typical value	0.12 dB
Return Loss, Minimum, dB	65 dB

Caractéristiques d'utilisation

Application	Customer connection
Température ambiante d'installation, plage	-5...60 (operation -5...60) °C
Type d'installation	Intérieur
Rayon de courbure minimum - installé	R=10D without tension mm
Conditionnement	PCDC packaging