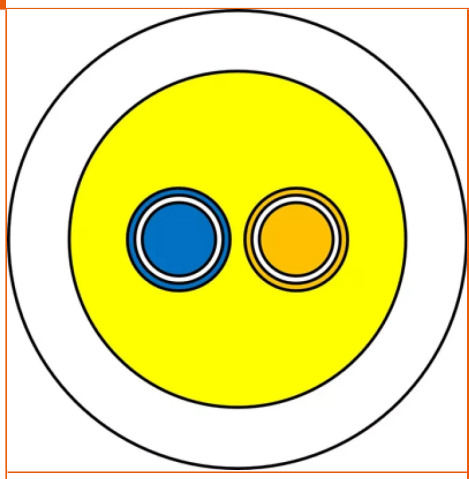
Pre-Connectorized Drop Cable (PCDC)

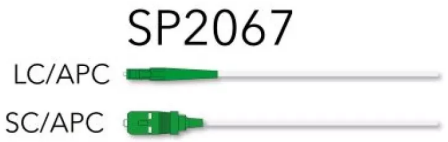
INDOOR (B2CA) SEMI TIGHT BUFFER

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	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

Indoor (B2Ca) semi tight buffer

Characteristics

Construction characteristics	
Colour	White
Connector type	SC/APC LC/APC
Dielectric	Yes
Fiber optic type	SM (G657.A2)
Outer sheath	LSZH
Type of cable	Indoor
Dimensional characteristics	
Approximate weight	6 kg/km
Cable Diameter	2.8 mm
Number of optical fibres	1...4
Mechanical characteristics	
Crush resistance	15 kg/cm
Maximum tensile load	Install 250 (service 70) N
Transmission characteristics	
Insertion Loss, maximum, dB	0.25 dB
Insertion loss, typical value	0.12 dB
Return Loss, Minimum, dB	65 dB
Usage characteristics	
Field of application	Customer connection
Installation temperature, range	-5...60 (operation -5...60) °C
Installation type	Indoor
Minimum Bend Radius - Installed	R=10D without tension mm
Packaging	PCDC packaging