

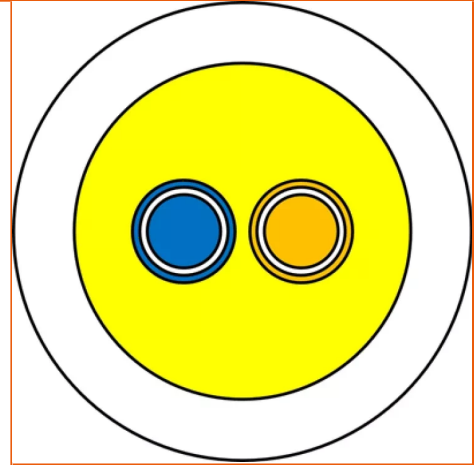
Pre-Connectorized Drop Cable (PCDC)

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	$\Delta\alpha \leq 0.1$ 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

Characteristics

구조적 특성

색상	하얀색
Connector type	SC/APC LC/APC
Dielectric	예
Fiber optic type	SM (G657.A2)
피복	저연 할로겐 프리
Type of cable	Indoor

치수

무게(근사치)	6 kg/km
Cable Diameter	2.8 mm
Number of optical fibres	1...4

기계적 특성

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

사용 특성

Field of application	Customer connection
Installation temperature, range	-5...60 (operation -5...60) °C
Installation type	Indoor
최소 굽힘 반지름 - 설치 후	R=10D without tension mm
Packaging	PCDC packaging