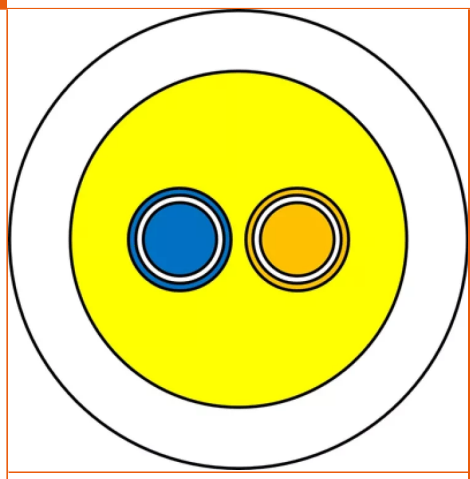
# Pre-Connectorized Drop Cable (PCDC)

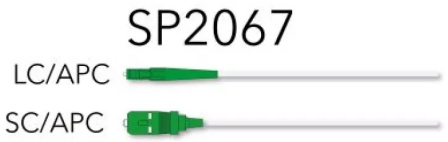
**INDOOR (B2CA) SEMI TIGHT BUFFER**



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

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# 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 |

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