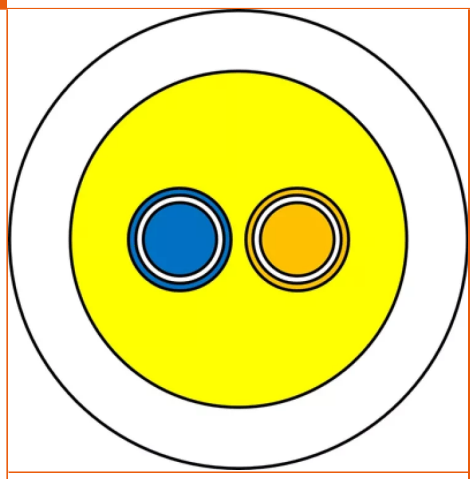
# Pre-Connectorized Drop Cable (PCDC)

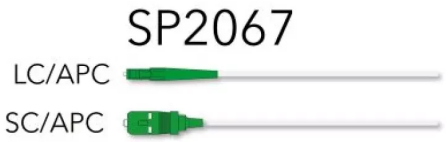
**INDOOR (B2CA) SEMI TIGHT BUFFER**



**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<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 |

# 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 |