

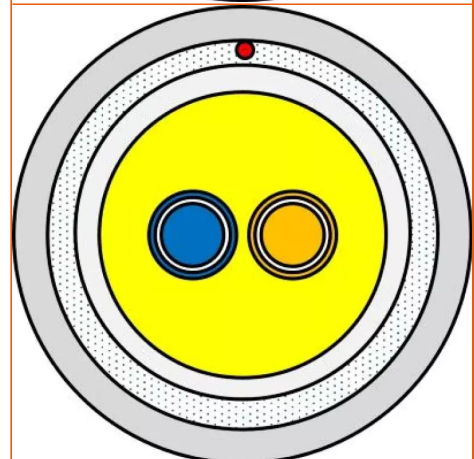
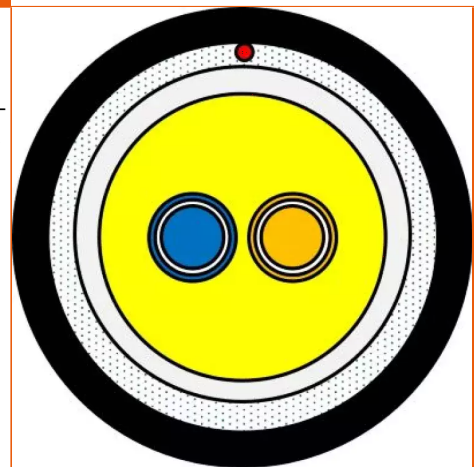
# Pre-Connectorized Drop Cable (PCDC)

DUAL SHEATH OUTDOOR (PE)/ INDOOR (B2CA) BLACK/GREY - FAÇADE OR AERIAL

**Aginode Ref:** PCDCJxxxx - SP2069

This cable features a semi-tight buffered colored fiber, reinforced with aramid and water-blocking glass yarns, protected by a white LSZH inner sheath and a UV-resistant PE outer sheath (black or grey). The inner sheath meets CPR Class B2Ca standards.

This cable features a semi-tight buffer construction with a single colored optical fiber, reinforced with aramid yarns for mechanical strength. It includes a white LSZH (low smoke zero halogen) inner sheath and water-blocking glass yarns to protect against moisture. A ripcord is provided for easy access to the cable core, while the outer sheath is made of UV-resistant polyethylene (PE) in black or grey (RAL 7001). The inner cable has a diameter of 2.8mm and complies with CPR Class B2Ca fire performance standards. The 2.8mm inner cable is also available as a stand alone product under the Aginode specification SP2067.



## 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<br>IEC 60794-1-21 E1        | Tensile strength:<br>900N<br>Sample length:<br>≥50 m, 1 min              | $\Delta\alpha \leq 0.1\text{dB}$ under<br>300N and reversible<br>under 900N |
| Crush/Compression<br>IEC 60794-1-21 E3      | Crush: 20Kg/10cm,<br>1min<br>Number of tests: 3,<br>at least 20cm apart. | After test,<br>$\Delta\alpha \leq 0.05\text{dB}$ No<br>damage               |
| Impact<br>IEC 60794-1-21 E4                 | Impact energy:<br>5Nm<br>number of test: 3                               | After test,<br>$\Delta\alpha \leq 0.05\text{dB}$ No<br>damage               |
| Torsion<br>IEC 60794-1-21 E7                | 2m cable, $\pm 180^\circ$  | After test,<br>$\Delta\alpha \leq 0.05\text{dB}$ No<br>damage               |
| Bending<br>IEC 60794-1-21<br>E11A           | 10 turns, 5 cycles,<br>R=10D   | After test, $\Delta\alpha \leq 0.1\text{dB}$<br>No damage                   |
| Water penetration<br>IEC 60794-1-22 F5B     | Height of water<br>column: 1m<br>Sample length: 3m,<br>24h               | No water leakage<br>from outside of<br>Inner cable                          |
| Temperature<br>cycling<br>IEC 60794-1-22 F1 | -40~+60°C,<br>t1=180min, 3 cycles  | Increased<br>$\Delta\alpha \leq 0.1\text{dB/km}$                            |

# Dual sheath outdoor (PE)/ Indoor (B2Ca) Black/Grey - Façade or aerial

## Eigenschaften

### Konstruktionsmerkmale

|                  |  |
|------------------|--|
| Farbe            | Black / grey   |
| Verbindertyp     | SC/APC LC/APC Hardened Standard (Corning Optitap compatible) |
| dielektrisch     | Yes  |
| Fasertyp         | SM (G657.A2)   |
| Längswasserdicht | Yes  |
| Außenmantel      | PE   |
| Kabeltype        | Indoor/Outdoor   |

### Abmessungsmerkmale

|                             |          |
|-----------------------------|----------|
| Nettogewicht ca.            | 16 kg/km |
| Kabeldurchmesser            | 4.5 mm   |
| Anzahl der optischen Fasern | 1...4    |

### Mechanische Eigenschaften

|                                  |          |
|----------------------------------|----------|
| Querdruckwiderstand (EN 187 000) | 20 kg/cm |
| Max. Zuglast                     | 900 N    |

### Übertragungseigenschaften

|                               |         |
|-------------------------------|---------|
| Insertion Loss, maximum, dB   | 0.25 dB |
| Insertion loss, typical value | 0.12 dB |
| Rückflussdämpfung, max. dB    | 65 dB   |

### Anwendungsmerkmale

|                                      |                                 |
|--------------------------------------|---------------------------------|
| Einsatzbereich                       | Customer connection             |
| Umgebungstemperatur, Bereich         | -5...50 (operation -40...70) °C |
| Art der Installation                 | Indoor/Outdoor                  |
| Minimaler Biegerradius - Installiert | R=10D without tension mm        |
| Verpackung                           | PCDC packaging                  |

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