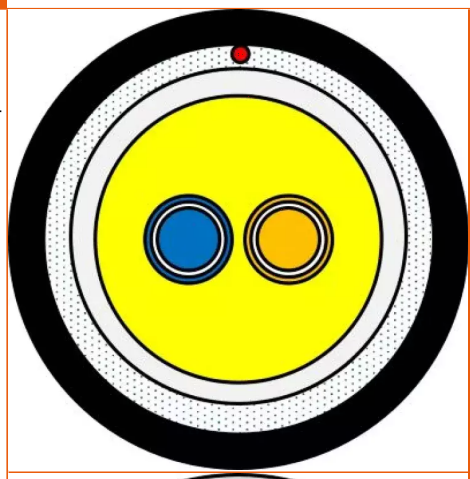
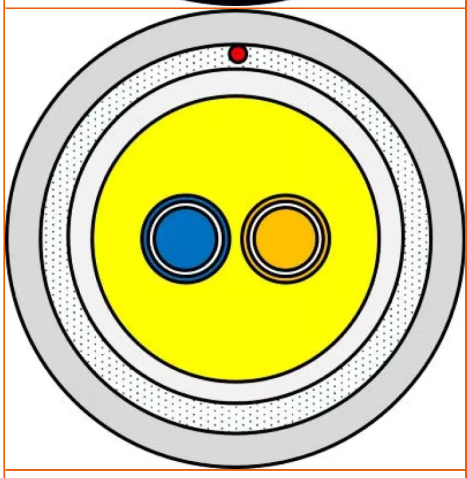
Pre-Connectorized Drop Cable (PCDC)

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 (balck 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 IEC 60794-1-21 E1	Tensile strength: 900N Sample length: ≥50 m, 1 min	Δα≤0.1dB under 300N and reversible under 900N
Crush/Compression IEC 60794-1-21 E3	Crush: 20Kg/10cm, 1min Number of tests: 3, at least 20cm apart.	After test, Δα≤0.05dB No damage
Impact IEC 60794-1-21 E4	Impact energy: 5Nm 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
Water penetration IEC 60794-1-22 F5B	Height of water column: 1m Sample length: 3m, 24h	No water leakage from outside of Inner cable
Temperature cycling IEC 60794-1-22 F1	-40~+60°C, t1=180min, 3 cycles	Increased Δα≤0.1dB/km

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

Characteristics

Construction characteristics	
Colour	Black / grey
Connector type	SC/APC LC/APC Hardened Standard (Corning Optitap compatible)
Dielectric	Yes
Fiber optic type	SM (G657.A2)
Longitudinally watertight	Yes
Outer sheath	PE
Type of cable	Indoor/Outdoor
Dimensional characteristics	
Approximate weight	16 kg/km
Cable Diameter	4.5 mm
Number of optical fibres	1...4
Mechanical characteristics	
Crush resistance	20 kg/cm
Maximum tensile load	900 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...50 (operation -40...70) °C
Installation type	Indoor/Outdoor
Minimum Bend Radius - Installed	R=10D without tension mm
Packaging	PCDC packaging

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