

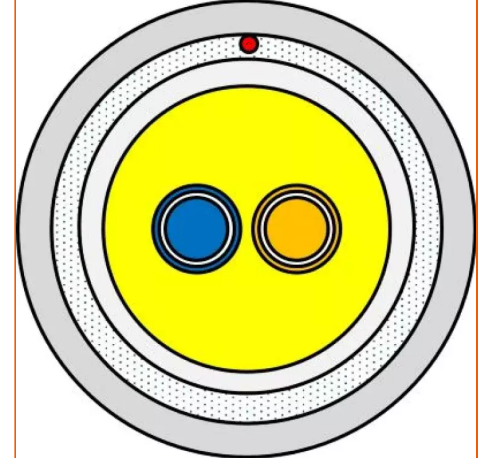
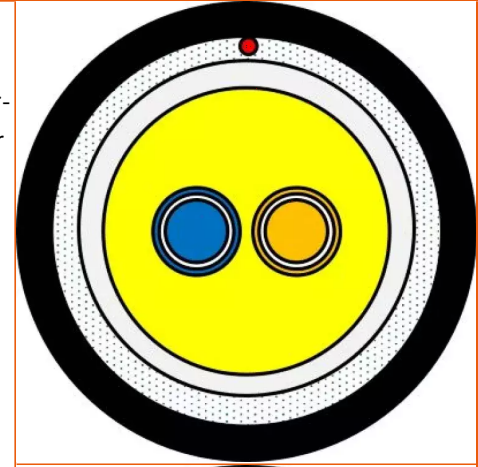
Pre-Connectorized Drop Cable (PCDC)

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

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	$\Delta\alpha \leq 0.1\text{dB}$ 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, $\Delta\alpha \leq 0.05\text{dB}$ No damage
Impact IEC 60794-1-21 E4	Impact energy: 5Nm number of test: 3	After test, $\Delta\alpha \leq 0.05\text{dB}$ No damage
Torsion IEC 60794-1-21 E7	2m cable, $\pm 180^\circ$	After test, $\Delta\alpha \leq 0.05\text{dB}$ No damage
Bending IEC 60794-1-21 E11A	10 turns, 5 cycles, R=10D	After test, $\Delta\alpha \leq 0.1\text{dB}$ 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 $\Delta\alpha \leq 0.1\text{dB/km}$

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

Caractéristiques

Caractéristiques de construction

Couleur	Black / grey
Type de connecteur	SC/APC LC/APC Hardened Standard (Corning Optitap compatible)
Dielectric	Yes
Type de fibres optiques	SM (G657.A2)
Longitudinally watertight	Yes
Gaine extérieure	PE
Type de câble	Indoor/Outdoor

Caractéristiques dimensionnelles

Masse approximative	16 kg/km
Diamètre du câble	4.5 mm
Nombre de fibres optiques	1...4

Caractéristiques mécaniques

Résistance à l'écrasement	20 kg/cm
Force de traction maximale	900 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...50 (operation -40...70) °C
Type d'installation	Intérieur / Extérieur
Rayon de courbure minimum - installé	R=10D without tension mm
Conditionnement	PCDC packaging

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