

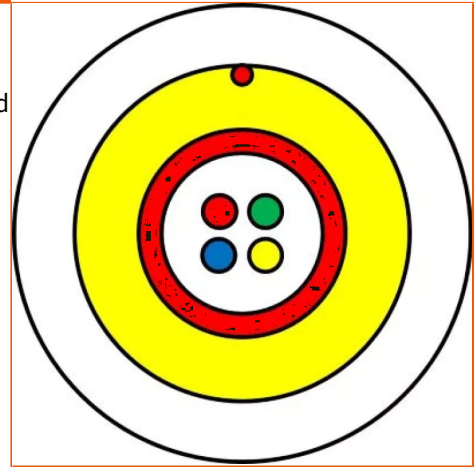
Pre-Connectorized Drop Cable (PCDC)

INDOOR (B2CA) TUBE WITH 1...4 OPTICAL FIBERS

Aginode Ref: PCDCYxxxx - SP2066

This LSZH cable contains 1 to 4 optical fibers, reinforced with aramid yarns and protected by a white LSZH sheath with an integrated ripcord for easy handling.

This cable consists of an LSZH tube containing 1 to 4 optical fibers, reinforced with aramid yarns for mechanical strength. It is protected by a white LSZH outer sheath, designed for indoor use, and includes a ripcord beneath the sheath for easy access during installation. The cable meets the high fire performance requirements of CPR Class B2Ca. It is available in different fibre color codes.



SP2066

LC/APC 

SC/APC 

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 Sample length: ≥ 50 m, 1 min	$\Delta\alpha \leq 0.1\text{dB}$
Crush/Compression IEC 60794-1-21 E3	Crush: 15Kg/cm, 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: 1Nm 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
Temperature cycling IEC 60794-1-22 F1	-5~+60°C, $t_1=180\text{min}$, 2 cycles	$\Delta\alpha \leq 0.1\text{dB/km}$

Indoor (B2Ca) tube with 1...4 optical fibers

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	2.3 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...50 (operation -10...60) °C
Installation type	Indoor
Minimum Bend Radius - Installed	R=10D without tension mm
Packaging	PCDC packaging