

Pre-Connectorized Drop Cable (PCDC)

SINGLE JACKET - ADSS, PIA - 3.0 MM 1FO

Aginode Ref: PCDCBxxxx - SP1952

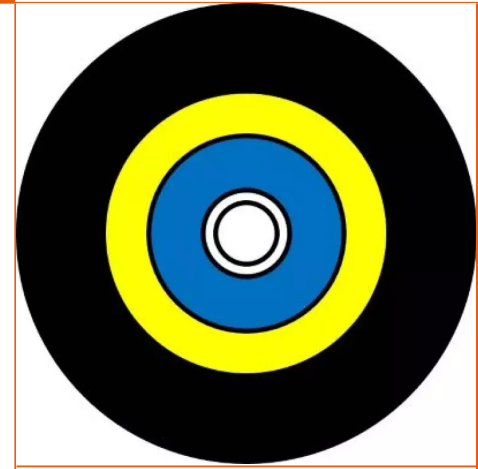
This robust cable has a semi tight-buffered, colored fiber core, reinforced with aramid and swellable yarns, and protected by a black, UV-resistant TPU outer sheath.

This cable features a tight buffer construction with a single colored optical fiber inside. It is reinforced with aramid yarns, and includes swellable yarns for water-blocking protection. The outer sheath is made of black, UV-resistant thermoplastic polyurethane (TPU), offering excellent durability in outdoor environments.

Breaking load: max 2000N

PIA Approved

Available with optimized packaging for use with cable dispensers, allowing One-Man Installation



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: under 4x cable weight (280N) Sample length: ≥ 50 m, 1 min	Fiber strain $\leq 0.5\%$ No damage
Crush/Compression IEC 60794-1-21 E3	Crush: 10Kg/cm, 1min Number of tests: 3, at least 20cm apart.	After test, $\Delta\alpha \leq 0.1\text{dB}$ No damage
Impact IEC 60794-1-21 E4	Impact energy: 3Nm number of test: 3	$\Delta\alpha$ reversible No damage
Torsion IEC 60794-1-21 E7	2m cable, $\pm 180^\circ$	$\Delta\alpha$ reversible No damage
Kink IEC 60794-1-21 E10	R=15mm	No kink
Bending IEC 60794-1-21 E11A	10 turns, 5 cycles, R=30mm	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
Temperature cycling IEC 60794-1-22 F1	-40~+60°C, t1=180min, 3 cycles	$\Delta\alpha \leq 0.4\text{dB/km}$

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Characteristics

Construction characteristics

Colour	Black
Connector type	SC/APC LC/APC Hardened Standard (Corning Optitap compatible)
Dielectric	Yes
Fiber optic type	SM (G657.A2)
Outer sheath	Polyurethan
Type of cable	Aerial

Dimensional characteristics

Approximate weight	7 kg/km
Cable Diameter	2.8 mm
Number of optical fibres	1

Mechanical characteristics

Breaking strength	Max 2 kN
Crush resistance	10 kg/cm
Maximum tensile load	280 N

Usage characteristics

Field of application	Customer connection
Installation temperature, range	-5...50 (operation -40...60) °C
Installation type	Aerial - self-supporting
Minimum Bend Radius - Installed	R=10D without tension mm
Packaging	PCDC packaging / OMI

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