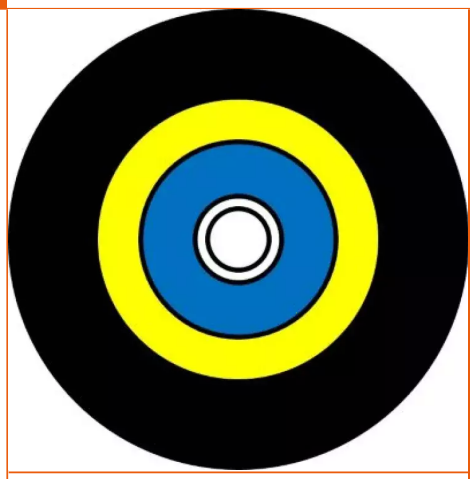
# Pre-Connectorized Drop Cable (PCDC)

**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

*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: under 4x cable weight (280N) Sample length: ≥50 m, 1 min | Fiber strian≤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, Δα≤0.1dB No damage |
| Impact IEC 60794-1-21 E4 | Impact energy: 3Nm number of test: 3 | Δα reversible No damage |
| Torsion IEC 60794-1-21 E7 | 2m cable, ±180° | Δα 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, Δα≤0.1dB 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 | Δα≤0.4dB/km |

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# Single jacket - ADSS, PIA - 3.0 mm 1FO

## 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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