Power To The Antenna D-CORE - Dca (N2XC2Y)

POWER TO THE ANTENNA D-CORE - DCA 4MM²

Power To The Antenna D-CORE is a shielded dual conductor power cable. It can be used as a DC power cable for the interconnexion between Base Unit and Radio Units on mobile towers or rooftops. The D-shape of the isolated conductors enables to reduce the diameter and weight of these cables with no negative impact on the properties. It also has best-in-class flexibility. The Dca fire euroclass allows indoor usage when needed.

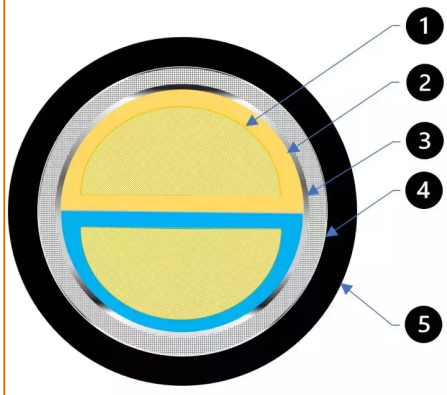


Applications

- DC power cable 0.6/1.0 kV
- For indoor/outdoor applications
- Used on mobile phone towers or rooftops

Cable construction

1. Stranded Bare copper
2. Insulation (IEC 60811-1) XLPE - Blue/Brown or White/Red
3. Longitudinal aluminium tape
4. Tinned copper braid (Coverage US >65%)
5. Outer sheath: HFFR - Black - Dca (EN50575)



Environment

Designed to reduce the environment impact, Aginode cables are compliant with RoHS 2011/65 Directive and European Reach 1907/2006/EC regulation.

D-CORE Picture



STANDARDS

EN 50575
IEC 60228
IEC 60332-1
IEC 60502-1

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.

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Characteristics

Construction characteristics	
Screen	Aluminium-Polyester tape + tinned copper braid
Outer sheath	LSZH
Sheath colour	Black
Wire colour	White - Red
Conductor material	Bare copper class 5
Insulation	XLPE
Dimensional characteristics	
Approximate weight	190 kg/km
Outer Diameter	11 mm
Number of cores	2
Conductor cross-section	4 mm²
Diameter over insulation, range	... mm
Electrical characteristics	
Max. DC resistance of the conductor at 20°C	4.95 Ohm/km
Minimum insulation resistance	10 MOhm.km
Breakdown voltage Vcc, 5 min.	3500.0 V
Usage characteristics	
RoHS conform	RoHS 2011/65/EU
Gases corrosivity	IEC 60754-1; IEC 60754-2
Operating temperature, range	-40...90 °C
Flame retardant	IEC 60332-1
Smoke density	EN/IEC 61034-2
U.V resistance	Yes
Packaging	Drum 500 m
Storage temperature, range	-40...50 °C
Bending factor when laying	8 (xD)
Bending factor when installed	4 (xD)

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Documentation

Leaflet 4G and 5G_En_v2_1_1.pdf pdf — 7.02 MB Download

Declaration of Performance

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