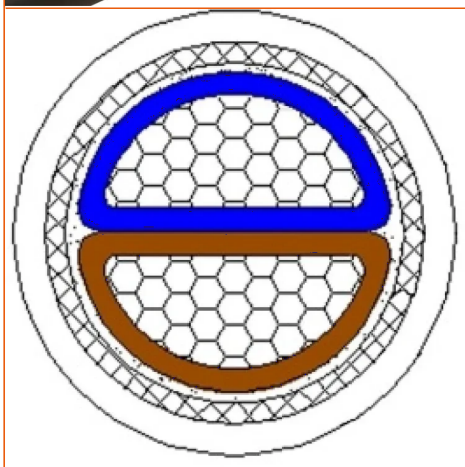
Power To The Antenna D-CORE - Eca (N2XCY)

POWER TO THE ANTENNA D-CORE - ECA 16MM²

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.



Applications

- Power cable 0.6/1.0 kV
- For indoor/outdoor applications
- Used on mobile phone masts

Cable construction

1. Bare conductor strand - Class 5
2. Insulation (IEC 60811-1)XLPE
3. Longitudinal ALU/PET tape
4. Tinned copper braid (Coverage US >65%)
5. Outer sheath: HFFR - Black - Eca (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	Polyester tape - tinned copper braid
Outer sheath	LSZH
Sheath colour	Black
Wire colour	Blue - Brown
Conductor material	Bare copper class 5
Insulation	XLPE
Dimensional characteristics	
Approximate weight	430 kg/km
Outer Diameter	13 mm
Number of cores	2
Conductor cross-section	16 mm^2
Diameter over insulation, range	5.9...6.1 mm
Electrical characteristics	
Max. DC resistance of the conductor at 20°C	1.95 Ohm/km
Minimum insulation resistance	10 MOhm.km
Breakdown voltage Vcc, 5 min.	3500.0 V
Usage characteristics	
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
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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