

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

POWER TO THE ANTENNA D-CORE - ECA 6MM²

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

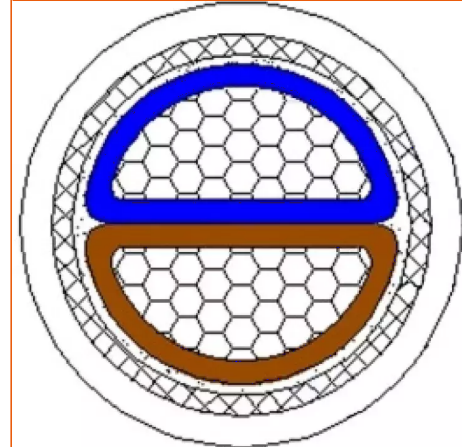
Cable construction

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

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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	220 kg/km
Outer Diameter	12 mm
Number of cores	2
Conductor cross-section	6 mm ²
Diameter over insulation, range	4.8...5.0 mm

Electrical characteristics

Max. DC resistance of the conductor at 20°C	3.39 Ohm/km
Minimum insulation resistance	10 MOhm.km
Breakdown voltage V _{cc} , 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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