

Power To The Antenna D-CORE - Eca

Power To The Antenna D-CORE - Eca 10mm²

Contact

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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.

DESCRIPTION

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, Nexans cables are compliant with RoHS 2011/65 Directive and European Reach 1907/2006/EC regulation.



UPSKY™

STANDARDS

International EN 50575;
IEC 60228; IEC 60332-1;
IEC 60502-1;
Nexans specification



Flame retardant
IEC 60332-1



Smoke density
EN/IEC 61034-2



Gases corrosivity
IEC 60754-1, IEC
60754-2



Operating temp.
-40 - 90 °C



Storage temperature,
range
-40 - 50 °C



Bending factor installed
4 (xD)



Bending factor when
laying
8 (xD)

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.

Generated 1/26/22 www.nexans.fr Page 1 / 2

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CHARACTERISTICS

Construction characteristics

Conductor material	Bare copper class 5
Insulation	XLPE
Wire colour	Blue - Brown
Screen	Polyester tape - tinned copper braid
Outer sheath	LSZH
Sheath colour	Black

Dimensional characteristics

Conductor cross-section	10 mm ²
Outer Diameter	13 mm
Approximate weight	320 kg/km
Diameter over insulation, range	5.9 - 6.1 mm
Number of cores	2

Electrical characteristics

Minimum insulation resistance	10 MOhm.km
Breakdown voltage Vcc, 5 min.	3500 V
Max. DC resistance of the conductor at 20°C	1.95 Ohm/km

Usage characteristics

Flame retardant	IEC 60332-1
Smoke density	EN/IEC 61034-2
Gases corrosivity	IEC 60754-1, IEC 60754-2
Operating temperature, range	-40 - 90 °C
Storage temperature, range	-40 - 50 °C
Bending factor when installed	4 (xD)
Bending factor when laying	8 (xD)
Packaging	Drum 1000m

D-CORE PICTURE



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