PVC Armoured Mains Cables

CU ARMAINS 2X 2.5+E

Contact
Sales and Customer Solutions
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Nexans Ref.: DNMP07AA002CXHF
Country Ref.: 1993

Cu conductors, PVC insulation, Laid up, Extruded bedding, GSW armour, Black PVC sheath. 0.6/1 kV. Made to AS/NZS 5000.1.



DESCRIPTION

Application

- Industrial, commerical and domestic applications.
- For use in various situations to supply the main power from the point of supply to buildings, equipment sheds, e.g. switch board to main control cabinet, main between floors and buildings, cable cabinet to motor, etc.

STANDARDS

National AS/NZS 5000.1

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.

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CHARACTERISTICS

Construction characteristics	
Type of conductor	Circular, stranded
Conductor material	Copper
Insulation	PVC
Material of bedding	PVC
Armour type	Galvanized steel wires
Outer sheath	PVC
Conductor flexibility	Class 5
Conductor shape	Circular
Core identification	Red, Black, Green/Yellow
With Green/Yellow core	Yes
With smaller neutral conductor	No
Dimensional characteristics	
Number of cores	2
Conductor cross-section	2.5 mm²
Earth conductor cross section	2.5 mm²
Nominal overall diameter	15.8 mm
Gland Size (CW or E1FW)	20
Approximate weight	0.55 kg/m
Neutral conductor section (when smaller)	- mm²
Electrical characteristics	
Permissible short circuit current conductor 1s	0.3 kA
Max. DC resistance of the conductor at 20°C	7.41 Ohm/km
Rated Voltage Uo/U (Um)	0.6/ 1 (1.2) kV
Mechanical characteristics	
Cable flexibility	Rigid
Usage characteristics	
Max. conductor temperature in service	75 °C

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CURRENT CARRYING CAPACITIES SINGLE PHASE (IN AMPS) - TWO CORE PLUS EARTH PVC ARMOURED

Copper conductor Circular stranded Insulation PVC Max. Conductor Temperature 75C

Conductor cross-section						
[mm²]	Cu	Cu	Cu	Cu	Cu	Cu
2.5	31	30	26	33	33	15

 Air Spaced from Surface, Unenclosed

 Air touching, unenclosed

 Air enclosed

 Buried direct

 Buried in single-way duct

 Cable surrounded by thermal insulation, unenclosed

Note

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The values are for typical New Zealand installation conditions of:

- Ambient Air Temperature:30°C
- Soil Temperature:15°C
- Soil Thermal Resistivity:1.2 K.m/W
- Depth of Burial:0.5 m

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