CU Vintols

CU VINTOL 25 NL BU V75 1HM

Contact
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Nexans Ref.: BABP16A1001BFNA
Country Ref.: 4321.1

Cu conductor, PVC insulated, PVC sheath. 0.6/1 kV. Made to AS/NZS 5000.1

DESCRIPTION

Application

- Industrial and commercial applications (predominantly)
- Some domestic applications
- For use in various situations to supply the main power from the point of supply (either single or three phase application) to buildings, equipment, eg, switch board to main control cabinet, main between floors and buildings, cable cabinet to motor, etc. Commonly used in Power Authority work.

STANDARDS

National AS/NZS 5000.1

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CHARACTERISTICS

Construction characteristics	
Sheath colour	Blue
Conductor material	Copper
Type of conductor	Circular, stranded
Insulation	PVC
Outer sheath	PVC
Insulation colour	White
With Green/Yellow core	No
With smaller neutral conductor	No
Dimensional characteristics	
Conductor cross-section	25 mm²
Nominal overall diameter	11.8 mm
Gland Size (A2 or A2F)	20
Approximate weight	0.35 kg/m
Neutral conductor section (when smaller)	- mm²
Number of cores	1
Electrical characteristics	
Max. DC resistance of the conductor at 20°C	0.727 Ohm/km
Permissible short circuit current conductor 1s	2.8 kA
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
Packaging	-

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CURRENT CARRYING CAPACITIES SINGLE PHASE (IN AMPS) - SINGLE CONDUCTOR PVC

Copper conductor - Circular stranded - Insulation PVC Aluminum conductor - Circular stranded except 240 mm²
Compact circular stranded - Insulation PVC Max. Conductor Temperature 75C

Conductor cross-section														
[mm²]	Cu	Al	Cu	Al	Cu	Al	Cu	Al	Cu	Al	Cu	Al	Cu	Al
25	76	-	62	-	62	-	94	-	142	-	128	-	55	


Air Spaced from Surface, Unenclosed


Air touching, unenclosed


Air enclosed


Buried direct


Buried in single-way duct


Buried in multi-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

CURRENT CARRYING CAPACITIES THREE PHASE (IN AMPS) - SINGLE CONDUCTOR PVC

Single Conductor PVC (three phase) PVC insulation Unarmoured Sheathed or unsheathed For cables up to and including 0.6/1 kV @ 50 Hz AC.

Conductor cross-section														
[mm²]	Cu	Al	Cu	Al	Cu	Al	Cu	Al	Cu	Al	Cu	Al	Cu	Al
25	117	-	111	-	92	-	147	-	129	-	110	-	55	


Air Spaced from Surface, Unenclosed


Air touching, unenclosed


Air enclosed


Buried direct


Buried in single-way duct


Buried in multi-way duct


Cable surrounded by thermal insulation, unenclosed

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