CU Vintols

CU VINTOL 25 NL BU V75 1HM

Contact

General Sales inquiries Phone: 0508 NEXANS sales.nz@nexans.com

Nexans ref.: BABP16A1001BFNA

Country ref.: 4321.1

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

DESCRIPTION

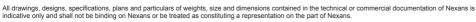
Application

- 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
With Green/Yellow core	No
Insulation colour	White
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
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







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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	00	18	6	5	156 7,	3		
	[mm²]	Cu	Cu	Cu	Cu	Cu	Cu	Cu	
	4	44	35	36	56	52	45	18	
	16	56	46	47	71	109	98	41	
	25	76	62	62	94	142	128	55	
	35	101	82	80	134	171	153	67	
	70	136	111	107	174	251	-	227	
	95	-	-	-	-	-	-	-	
	120	-	-	-	-	-	-	-	
	185	-	-	-	-	-	-	-	
	240	-	-	-	-	-	-	-	
	Air Spaced from Surface, Unenclosed		Air touching, unenclosed			Air enclosed			
\$	Buried direct	Z.	Buried in s	single-way duct	3	Buried in multi-way duct			
	Cable surrounded by thermal insulation, unenclosed	I							

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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Buried in multi-way duct

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.

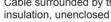
Conductor cros	ss-section	38	0		56	50		
[mm²]	Cu	Cu	Cu	Cu	Cu	Cu	Cu	
4	38	35	32	40	47	40	18	
16	88	82	71	114	99	86	41	
25	117	111	92	147	129	110	55	
35	145	136	114	176	154	134	67	
70	225	210	173	256	226	198	-	
95	-	-	-	-	-	-	-	
120	-	-	-	-	-	-	-	
185	-	-	-	-	-	-	-	
240	-	-	-	-	-	-	-	
Air Spaced fr Unenclosed	om Surface,	Air touch	ing, unenclosed	5	Air enclo	osed		





Buried direct

Cable surrounded by thermal





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Buried in single-way duct

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

