Conduit Wires

CU CONDUIT 70 GNYE V75

Contact

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

Nexans ref.: BAAP20AA001AAHT

Country ref.: 5680

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

DESCRIPTION

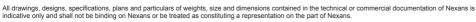
Application

- · Industrial, commercial and domestic applications
- The wiring of switch boards and control panels
- · Earth wiring in houses
- Wiring where the conduit wire is run inside a protective enclosure (plastic or metal conduits)



STANDARDS

National AS/NZS 5000.1





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CHARACTERISTICS

Construction	n characteristics	
Colour		Green / yellow
Insulating	material	PVC
Type of co	nductor	Circular, stranded
Conductor	· material	Copper
Insulation		V-75
With Gree	n/Yellow core	No
With small	ler neutral conductor	No
Dimensiona	I characteristics	
Conductor	r cross-section	70 mm²
Nominal o	verall diameter	13.5 mm
Approxima	ate weight	0.72 kg/m
Number o	fcores	1
Electrical ch	naracteristics	
Max. DC r	resistance of the conductor at 20°C	0.268 Ohm/km
Rated Vol	tage Uo/U (Um)	0.6/ 1 (1.2) kV
Mechanical	characteristics	
Cable flex	ibility	Rigid
Usage chara	ecteristics	
Max. cond	luctor temperature in service	75 °C



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CURRENT CARRYING CAPACITIES SINGLE PHASE (IN AMPS) - CONDUIT WIRES

Copper conductor Circular stranded (except 1 mm² which is solid) Insulation PVC Max. Conductor Temperature 75C

Conductor cross-section	∑ l∞
[mm²]	Cu
1	15
1.5	21
2.5	27
4	36
6	47
10	62
16	80
25	107
35	128
50	157
70	194
95	242
120	276
10	

Air enclosed

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The values are for typical New Zealand installation conditions of:

• Ambient Air Temperature: 30°C



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CURRENT CARRYING CAPACITIES THREE PHASE (IN AMPS) - CONDUIT WIRES

Copper conductor Circular stranded (except 1 mm² which is solid) Insulation PVC Max. Conductor Temperature 75C

Conductor cross-section	©	
[mm²]	Cu	
1	14	
1.5	17	
2.5	24	
4	32	
6	40	
10	54	
16	71	
25	92	
35	114	
50	136	
70	173	
95	209	
120	247	

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The values are for typical New Zealand installation conditions of:

• Ambient Air Temperature: 30°C

Air enclosed

