



105°C PVC Insulated Copper Conductor Panel Wire, 600/1000 Voltage Grade for Industrial Application

Nominal Cross Sectional Area of Conductor	Number/ Nom.Dia of strands	Thickness of insulation (Nom)	Max. Overall Diameter	Approx. Cable Weight	Max. Conductor Resistance per KM at 200 C
sq.mm	mm	mm	mm	Kg/km	Ohm/Km
0.5	16 x 0.2	0.8	3.0	11	39
0.75	24 x 0.2	0.8	3.1	14	26
1	32 x 0.2	0.8	3.3	16	19.5
1.5	30 x 0.25	0.8	3.6	21	13.3
2.5	50 x 0.25	0.8	4.1	32	7.98
4	56 x 0.30	0.8	4.8	46	4.95
6	84 x 0.30	0.8	5.3	64	3.30
10	80 x 0.40	1.0	7.2	109	1.91
16	126 x 0.40	1.0	9.0	166	1.21
25	196 x 0.40	1.2	11.5	256	0.780
35	276 x 0.40	1.2	12.5	352	0.554
50	399 x 0.40	1.4	15.4	501	0.386
70	551 x 0.40	1.4	17.5	692	0.272

Single Core Flexible Conductor 600 / 1000 V

Plain Copper Conductor, PVC Insulated Wires

Technical Specifications:

Applications

Used for indoor fixed installation in dry locations for lighting fittings inside electrical panels and connections for apparatuses, switch gears and control gears.

Standard

As per BS 6231

Rated Voltage

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Factory Office : Kshreshwarnath 4, Mahendranagar, Dhanusha, Nepal

Corporate Office : Dharahara Tower, Taha Gali, Sundhara, Kathmandu, Nepal



Working voltage up to 600/1000 V

Conductor

Annealed flexible tinned copper wires Class 5 of BS EN 60228

Copper fine wires bunched together to circular conductor

Insulation

Type BK: Type TI1 temperature rating 70 °C as per BS 7655

Type CK: Type TI3 temperature rating 90 °C as per BS 7655

Type CK: PVC rated 105 °C available on request

