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ENGLISH

Datasheet

Switchgear Cable

8114532
8114469
8114539
8114466
8114536
8114463
8114545
8114472
8114548
8114475



Image representative of range

Insulation:	**PVC (Type TI1 to BS EN 50363) 0.80mm**
Insulation Radial Thickness:	**4.80mm (Maximum)**
Diameter Over Insulation:	**600/1000V**
Voltage Rating: Conductor Resistance:	**4.95 Ω/km @ 20°C (Nominal) 49.90 kg/km**
Cable Weight:	**(Nominal)**
Standard:	**BS 6231:2006**

TECHNICAL INFORMATION

Conductors:	Plain annealed copper, Class 5 to BS EN 60228.
Insulation:	Heat Resisting PVC.
Voltage Rating:	600V between conductor and earth, 1000V between conductors.
Max. Conductor Temp:	105°C in air, 60°C in oil.
Min. bend radius:	6 x overall diameter.

AWM Size	Size (mm^2)	Max diam of wires in conductor mm	Maximum resistance at 20°C Ω/Km	UL Style	Nominal R/T(mm)	Nominal Diam (mm)	Current Rating (A)	Weight (Kg/km)
22	0.5	0.21	39.0	1015	0.8	2.6	11	11
20	0.75	0.21	26.0	1015	0.8	2.8	14	14
18	1	0.21	19.5	1015	0.8	3	17	17
16	1.5	0.26	13.3	1015	0.8	3.3	21	22
14	2.5	0.26	7.98	1015	0.8	3.7	30	33
12	4	0.31	4.95	1015	0.8	4.3	41	49
10	6	0.31	3.30	1015	0.8	5.1	53	71
8	10	0.41	1.91	1028	1.2	6.8	75	124
6	16	0.41	1.21	1283	1.58	9.2	100	199
4	25	0.41	0.78	1283	1.58	10.6	136	290
2	35	0.41	0.554	1283	1.58	11.6	167	387
1	50	0.41	0.386	1284	2.1	14.4	190	570
2/0	70	0.51	0.272	1284	2.1	16.5	240	781
3/0	95	0.51	0.206	1284	2.1	18.7	300	1025
4/0	120	0.51	0.121	1284	2.1	20	340	1280

Current ratings are based on a conductor operating temperature of 85°C and an ambient air temperature of 45°C and are for a single panel wire in free air.

RS, Professionally Approved Products, gives you professional quality parts across all products categories. Our range has been testified by engineers as giving comparable quality to that of the leading brands without paying a premium price.

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RS Stock No	Length
8114463	25m
8114466	25m
8114469	25m
8114472	25m
8114475	25m
8114532	100m
8114536	100m
8114539	100m
8114545	100m
8114548	100m