

5. Miscellaneous

5.7

Switchgear and Controlgear Cables

Application: These cables are intended for use in the wiring of switch, control, metering, relay and instrument panels of power switchgear, and for such purposes as internal connections in rectifier equipment and its motor starters and controllers.

Specifications

Type	:	Cu/PVC
Standard	:	BS 6231
Nominal Voltage	:	600/1000V
No. of Cores	:	Single
Conductor	:	Class 5 Annealed Copper
Insulation	Material	: PVC TI 1
	Colour	: Green/Yellow, Blue or other colour



Nominal Cross Sectional Area	No. & Dia. of wires	Nominal Insulation Thickness	Mean Overall Diameter		Minimum Insulation Resistance at 70 °C	Max. d.c. Resistance at 20 °C	Approx. Weight
			Lower Limit	Upper Limit			
mm ²	x/mm	mm	mm		MΩ.km	Ω/km	kg/km
0.50	16/0.20	0.8	2.4	3.0	0.0161	39.0	12
0.75	24/0.20	0.8	2.6	3.1	0.0141	26.0	15
1.0	32/0.20	0.8	2.7	3.3	0.0128	19.5	18
1.5	30/0.25	0.8	3.0	3.6	0.0111	13.3	23
2.5	50/0.25	0.8	3.4	4.1	0.0094	7.98	34
4	56/0.30	0.8	3.9	4.8	0.0077	4.95	49
6	84/0.30	0.8	4.4	5.3	0.0059	3.30	69
10	140/0.30	1.0	5.7	7.2	0.0058	1.91	115
16	224/0.30	1.0	6.7	9.0	0.0048	1.21	174
25	354/0.30	1.2	8.4	11.5	0.0047	0.78	272
35	495/0.30	1.2	9.7	12.5	0.0040	0.554	368
50	703/0.30	1.4	11.5	15.4	0.0039	0.386	890
70	988/0.30	1.4	13.2	17.5	0.0033	0.272	714
95	1344/0.30	1.6	15.1	19.2	0.0032	0.206	969
120	1702/0.30	1.6	16.7	21.2	0.0029	0.161	1209
150	756/0.50	1.8	18.6	23.9	0.0029	0.129	1494
185	925/0.50	2.0	20.6	25.9	0.0029	0.106	1829
240	1221/0.50	2.2	23.5	28.9	0.0028	0.0801	2402