

Control Cable

PVC Insulated and Sheathed Flexible Control Cables



Specifications

Core Colors	: Black with white numbering + yellow/green/gray with number printing
Sheath Colors	: Gray, black and white
Conductor	: Annealed bare copper as per IS: 8130
Insulating PVC	: Type A conforming to IS: 5831
PVC Sheath	: Type ST-1 conforming to IS: 5831; HR, FR and FRLS sheathing can be provided if required
Rated Voltage	: 300/500 V
Test Voltage	: AC 2000 V
Min. Bending Radius	: 4 times the overall diameter of cable
Tensile Strength	: 12.50 N per sq mm of PVC insulation and sheath
Max. Working Temperature	: 70°C; also available for 85°C and 105°C
Max. Short Circuit Temperature	: 160°C
Minimum laying Temperature	: 15°C
Usage	: For medium mechanical stresses with free movement without tensile stress in dry & moist condition. For measuring and control cables in tool machines, conveyor belts, production lines in machinery production and steel production

No. of Cores X Cross Section	Max. Dia of Conductor Strand	Insulation Thickness (Nominal)	Finished Cable Dia (Nominal)	Approx. Weight	Max. Electrical Resistance at 20°C
mm	mm	mm	mm	kg/km	ohms/km
5 x 0.5	0.2	0.6	6.2	52.3	39
6 x 0.5	0.2	0.6	6.7	63.6	39
7 x 0.5	0.2	0.6	7.4	74.2	39
8 x 0.5	0.2	0.6	8.0	89.5	39
10 x 0.5	0.2	0.6	8.8	104.2	39
12 x 0.5	0.2	0.6	9.1	110.8	39
14 x 0.5	0.2	0.6	9.5	122.0	39
16 x 0.5	0.2	0.6	10.0	133.0	39
18 x 0.5	0.2	0.6	10.7	149.4	39
20 x 0.5	0.2	0.6	11.2	161.8	39
24 x 0.5	0.2	0.6	13.0	211.0	39
27 x 0.5	0.2	0.6	13.5	226.0	39
37 x 0.5	0.2	0.6	15.7	298.6	39
61 x 0.5	0.2	0.6	19.4	445.4	39
5 x 0.75	0.2	0.6	6.8	58.6	26
6 x 0.75	0.2	0.6	7.5	70.7	26
7 x 0.75	0.2	0.6	8.1	81.9	26
8 x 0.75	0.2	0.6	8.9	92.3	26
10 x 0.75	0.2	0.6	9.6	107.5	26
12 x 0.75	0.2	0.6	9.9	103.6	26
14 x 0.75	0.2	0.6	10.6	127.0	26

No. of Cores X Cross Section	Max. Dia of Conductor Strand	Insulation Thickness (Nominal)	Finished Cable Dia (Nominal)	Approx. Weight	Max. Electrical Resistance at 20°C
mm	mm	mm	mm	kg/km	ohms/km
16 x 0.75	0.2	0.6	11.2	141.8	26
18 x 0.75	0.2	0.6	11.9	160.1	26
20 x 0.75	0.2	0.6	12.6	179.5	26
24 x 0.75	0.2	0.6	14.5	237.7	26
27 x 0.75	0.2	0.6	15.2	261.2	26
37 x 0.75	0.2	0.6	17.2	334.4	26
61 x 0.75	0.2	0.6	20.9	493.8	26
5 x 1.0	0.2	0.6	7.2	63.5	19.5
6 x 1.0	0.2	0.6	8.0	72.3	19.5
7 x 1.0	0.2	0.6	8.6	83.6	19.5
8 x 1.0	0.2	0.6	9.4	99.9	19.5
10 x 1.0	0.2	0.6	10.4	122.3	19.5
12 x 1.0	0.2	0.6	10.7	129.4	19.5
14 x 1.0	0.2	0.6	11.3	144.3	19.5
16 x 1.0	0.2	0.6	12.0	162.8	19.5
18 x 1.0	0.2	0.6	12.7	182.3	19.5
20 x 1.0	0.2	0.6	13.5	206.0	19.5
24 x 1.0	0.2	0.6	14.7	244.3	19.5
27 x 1.0	0.2	0.6	15.8	282.2	19.5
37 x 1.0	0.2	0.6	18.4	382.7	19.5
61 x 1.0	0.2	0.6	22.2	557.1	19.5