



Control Cables



- PVC Industrial & Sheathed flexible control cables - Upto 1100 V

Applications:

These cables are used for flexible use for medium mechanical stresses with Free Movement without tensile stress in dry & moist condition for measuring and control cables in tool machines, conveyer belts, production lines in machinery

Conductor: Annealed Bare Copper as per IS 8130, Class 5

Insulation PVC: Type A conforming to IS 5831

Sheath Colour: Black / Grey

PVC Sheath: Type ST-1 conforming to IS 5831.HR, FR and FRLS sheathing can be provided as per requirement.

Core Colours: Black with white numbering + Green / Yellow (earth core)

Rated Voltage: 300/500 V

Test Voltage: 2000 V A.C

Min. Bending Radius: Flexing 7.5 x the overall dia.of cable

Fixed Installation: 4 x the overall dia. of cable 105°C

Max Short Circuit Temperature: 160°C

Minimum Laying Temperature: Upto -150°C

These cables comply with the requirements of DIN VDE 0245, 0281, 0293, 295



No. of Cores and mm ² per conductor	Finished cable Dia in mm	Approx Wt of cable Kg/Km
0.50 x 2C	4.8	34
0.50 x 3C	5.1	41
0.50 x 4C	5.7	52
0.50 x 5C	6.2	62
0.50 x 7C	7.9	88
0.50 x 12C	9.1	138
0.50 x 18C	10.70	196
0.50 x 19C	10.80	198
0.50 x 25C	13.0	284
0.75 x 2C	5.2	42
0.75 x 3C	5.5	51
0.75 x 4C	6.2	66
0.75 x 5C	6.8	80
0.75 x 7C	8.1	113
0.75 x 10C	9.6	160
0.75 x 12C	9.9	177
0.75 x 18C	11.9	260
0.75 x 19C	12.3	276
0.75 x 25C	14.5	377
1.0 x 2C	5.5	49
1.0 x 3C	6.0	63
1.0 x 4C	6.6	79
1.0 x 5C	7.2	96
1.0 x 7C	8.6	135
1.0 x 8C	9.4	159
1.0 x 12C	10.0	218
1.0 x 14C	11.3	247
1.0 x 16C	12.0	280
1.0 x 18C	12.7	315
1.0 x 19C	13.0	331
1.0 x 25C	15.6	459

No. of Cores and mm ² per conductor	Finished Cable Dia in mm	Approx Wt of cable Kg/Km
1.5 x 2C	6.3	66
1.5 x 3C	6.7	83
1.5 x 4C	7.3	102
1.5 x 5C	8.2	129
1.5 x 7C	9.8	183
1.5 x 8C	10.6	212
1.5 x 12C	12.1	292
1.5 x 18C	14.5	427
1.5 x 19C	5.2	461
1.5 x 25C	7.8	622
2.5 x 2C	7.6	101
2.5 x 3C	8.3	131
2.5 x 4C	9.10	164
2.5 x 5C	10.2	205
2.5 x 7C	12.1	288
2.5 x 12C	15.2	471
2.5 x 18C	18.1	685
2.5 x 19C	18.2	711
2.5 x 21C	20.7	839
2.5 x 25C	22.2	1011

Conductor config. No. of Wires/max.dia	Conductor Resist ohm/km C maxat20
0.5mm ² (16/0.20mm)	39.0
0.75mm ² (24/0.20mm)	26.0
1.0mm ² (32/0.20mm)	19.5
1.5mm ² (30/0.25mm)	13.3
2.5mm ² (50/0.25mm)	7.93

* The above data is indicative and may be revised without prior intimation