



## Braided Cables



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

### Applications:

Is suitable for interconnection of electrical measuring devices to Instrument panel or instrument. Measuring, monitoring and control in machine tool manufacturing, in plant engineering, in all places where electrical interference fields can distort a signal transmission or where Interference pulses arising in the mains must be confined.

**Technical Data:** Special PVC data cables, adapted to DIN VDE 0245 The material used in manufacture is cadmium free and contains no silicone and free of substances harmful to the wetting properties of Lacquers.

Coupling Resistance: < 250 ohm

Temperature Range: Flexing -5°C to +80°C

Nominal Voltage:  $U_0$  / 500 V

Test Voltage: 3000 V.

Insulation Resistance: Min. 20 Mohm x km

Mutual Capacitance: According to different cross sections Core / Core approx, 150 nF / km. Core / Screen approx, 270 nF / km

Minimum Bending Radius: Approx. 10 x cable



**Cable Structure:** Bare copper, fine wire conductors, bunch 0 0 Fixed Installation -20°C to +80°C stranded to IS 8130 class 5 and IEC 60228 class 5. Core insulation of special PVC Type A IS 5831, TI 1 DIN VDE 0207 Part 4. Coloured cores upto 4 cores only. Continuous numbering in white and one green / yellow core from 5 core onwards. Cores stranded in layers with optimal lay-length. Core Wrapping withcopper mylartape. Tinned copper braided screen, Approx. 85% coverage. Special PVC outer sheath TYPE ST1 of IS 5831, TM2 DIN VDE 0281 Part 1 and HD 21.1, sheath colour grey. Extensively Oil Resistant, Chemical Resistant. PVC self- extinguishing and flame retardant, test according to IS 694, DINVDE 0472 Part 804 and IEC 60332-1



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No. of cores per conductor	No. of 2 sq.mm per conductor	Approx cable diameter in mm	Copper weight kg/km	Approx weight kg/km	No. of cores per conductor	No. of 2 sq.mm per conductor	Approx cable diameter in mm	Copper weight kg/km	Approx weight kg/km
2	0.5	5.3	21	57	2	1.0	6	29	74
3	0.5	5.6	25	64	3	1.0	6.5	37	90
4	0.5	6.2	35	84	4	1.0	7.1	46	108
5	0.5	6.7	33	89	5	1.0	7.6	56	127
6	0.5	7.4	39	107	6	1.0	8.5	66	154
7	0.5	7.9	43	121	7	1.0	9.1	74	175
8	0.5	8.5	49	138	8	1.0	9.9	84	203
10	0.5	9.3	60	167	10	1.0	10.8	104	246
12	0.5	9.6	67	180	12	1.0	11.2	119	270
14	0.5	10.0	78	201	14	1.0	11.8	137	305
16	0.5	10.7	88	228	16	1.0	12.3	154	335
18	0.5	11.2	96	249	18	1.0	13.2	172	380
2	0.75	5.7	25	66	2	1.5	8.5	37	128
3	0.75	6.2	31	79	3	1.5	7.6	50	121
4	0.75	6.7	38	93	4	1.5	8.2	62	145
5	0.75	7.2	45	109	5	1.5	9.1	76	177
6	0.75	8.0	53	132	7	1.5	10.8	100	242
7	0.75	8.6	59	150	8	1.5	11.6	115	279
8	0.75	9.4	68	177	2	2.5	8.6	55	146
10	0.75	10.2	83	211	3	2.5	9.4	76	183
12	0.75	10.4	93	224	4	2.5	10.2	96	221
14	0.75	11.1	106	255	5	2.5	11.3	117	270
16	0.75	11.6	121	284	7	2.5	13.5	157	375
18	0.75	12.4	134	319	12	2.5	16.7	261	591

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