

Control and Instrumentation cables

MIRACLECABLES[™]
Smart cable solutions

ISO
9001:2008
CERTIFIED COMPANY



Control Cables

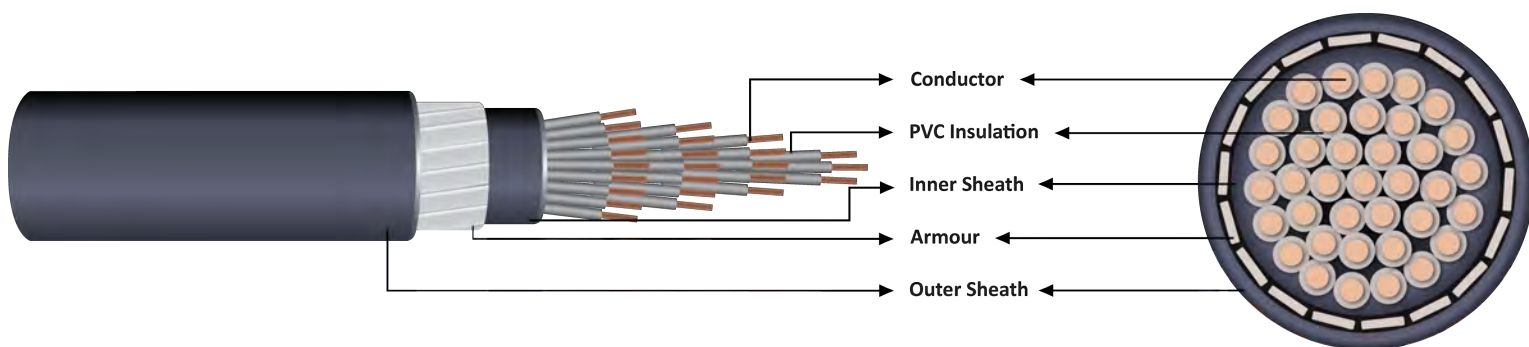
These cables are used for low voltage Electrical power station, indoor or Outdoor, all kinds of Industrial Applications.

Standards as per IS - 1554 (Part-1)

Max. Conductor D.C. Resistance at 200C conductor size 1.50 sq.mm - 12.1 W/km (Bare) and 12.2 W /km (Tinned copper) 2.50 sqmm - 7.41 W/km (Bare) and 7.56 W/km (Tinned Copper)

No. of Core & C.S. Area	Thick of PVC Insul	Thick of Inner Sheath	Thick of Outer Sheath	Appx. O.D.	Appx. Net Wt of Cable	Current Rating	
No. x "sq. mm"	Nom. "mm"	Min. "mm"	"mm" (Nom)	"mm"	"kg/km"	Direct in Ground "Amps"	In Air/ Duct Amps"
2 x 1.50	0.80	0.30	1.80	11.8	185	23	20
3 x 1.50	0.80	0.30	1.80	12.3	190	21	17
4 x 1.50	0.80	0.30	1.80	13.2	225	21	17
5 x 1.50	0.80	0.30	1.80	14.1	260	16	14
6 x 1.50	0.80	0.30	1.80	15.1	295	15	13
7 x 1.50	0.80	0.30	1.80	15.1	315	14	13
10 x 1.50	0.80	0.30	1.80	18.4	425	13	11
12 x 1.50	0.80	0.30	1.80	18.9	480	12	10
14 x 1.50	0.80	0.30	1.80	19.8	535	11	10
16 x 1.50	0.80	0.30	1.80	20.7	595	11	9
19 x 1.50	0.80	0.30	2.00	22.5	720	10	9
24 x 1.50	0.80	0.30	2.00	25.8	880	9	8
27 x 1.50	0.80	0.30	2.00	26.3	960	9	8
30 x 1.50	0.80	0.30	2.00	27.2	1080	9	7
37 x 1.50	0.80	0.30	2.00	29.1	1230	8	7
2 x 2.50	0.90	0.30	1.80	13.0	230	32	27
3 x 2.50	0.90	0.30	1.80	13.6	240	27	24
4 x 2.50	0.90	0.30	1.80	14.6	290	27	24
5 x 2.50	0.90	0.30	1.80	15.7	335	23	19
6 x 2.50	0.90	0.30	1.80	16.9	385	21	18
7 x 2.50	0.90	0.30	1.80	16.9	420	20	17
10 x 2.50	0.90	0.30	1.80	20.8	570	18	15
12 x 2.50	0.90	0.30	2.00	22.2	690	17	14
14 x 2.50	0.90	0.30	2.00	23.2	775	16	13
16 x 2.50	0.90	0.30	2.00	24.3	860	15	13
19 x 2.50	0.90	0.30	2.00	25.5	985	14	12
24 x 2.50	0.90	0.30	2.00	29.4	1215	13	11
27 x 2.50	0.90	0.30	2.00	30.0	1330	12	10
30 x 2.50	0.90	0.30	2.00	31.0	1450	12	10
37 x 2.50	0.90	0.40	2.00	34.1	1790	11	9

No. of Core & C.S. Area	Thick of PVC Insul	Thick of In-ner Sheath	Strip Armoured Cable				Wire Armoured Cable				Current Rating	
			Strip Size	Thick of PVC Outer Sheath "mm" min	Appx. O.D. "mm"	Appx. Net Wt of Cable "kg/km"	Wire Dia "mm"	Thick of PVC Outer Sheath "mm" min	Appx. O.D. "mm"	Appx. Net Wt of Cable "kg/km"	Direct in Ground "Amps"	In Air/ Duct "Amps"
2 x 1.50	0.80	0.30	-	-	-	-	1.40	1.24	13.6	415	23	20
3 x 1.50	0.80	0.30	-	-	-	-	1.40	1.24	14.1	430	21	17
4 x 1.50	0.80	0.30	-	-	-	-	1.40	1.24	15.0	490	21	17
5 x 1.50	0.80	0.30	-	-	-	-	1.40	1.24	15.9	545	16	14
6 x 1.50	0.80	0.30	-	-	-	-	1.40	1.24	16.9	605	15	13
7 x 1.50	0.80	0.30	-	-	-	-	1.40	1.24	16.9	630	14	13
10 x 1.50	0.80	0.30	-	-	-	-	1.40	1.40	20.6	835	13	11
12 x 1.50	0.80	0.30	4 x 0.80	1.24	19.5	760	1.60	1.40	21.5	950	12	10
14 x 1.50	0.80	0.30	4 x 0.80	1.40	20.8	830	1.60	1.40	22.4	1040	11	10
16 x 1.50	0.80	0.30	4 x 0.80	1.40	21.7	920	1.60	1.40	23.3	1130	11	9
19 x 1.50	0.80	0.30	4 x 0.80	1.40	23.1	1040	1.60	1.40	24.7	1265	10	9
24 x 1.50	0.80	0.30	4 x 0.80	1.40	26.4	1250	1.60	1.40	28.0	1510	9	8
27 x 1.50	0.80	0.30	4 x 0.80	1.40	26.9	1355	1.60	1.40	28.5	1610	9	8
30 x 1.50	0.80	0.30	4 x 0.80	1.40	27.8	1430	1.60	1.40	29.4	1700	9	7
37 x 1.50	0.80	0.30	4 x 0.80	1.40	29.7	1670	1.60	1.40	31.3	1960	8	7
2 x 2.50	0.90	0.30	-	-	-	-	1.40	1.24	14.8	500	32	27
3 x 2.50	0.90	0.30	-	-	-	-	1.40	1.24	15.4	520	27	24
4 x 2.50	0.90	0.30	-	-	-	-	1.40	1.24	16.4	590	27	24
5 x 2.50	0.90	0.30	-	-	-	-	1.40	1.24	17.5	660	23	19
6 x 2.50	0.90	0.30	-	-	-	-	1.40	1.24	18.7	745	21	18
7 x 2.50	0.90	0.30	-	-	-	-	1.40	1.24	18.7	780	20	17
10 x 2.50	0.90	0.30	4 x 0.80	1.40	21.8	900	1.60	1.40	23.4	1110	18	15
12 x 2.50	0.90	0.30	4 x 0.80	1.40	22.8	1020	1.60	1.40	24.4	1240	17	14
14 x 2.50	0.90	0.30	4 x 0.80	1.40	23.8	1130	1.60	1.40	25.4	1340	16	13
16 x 2.50	0.90	0.30	4 x 0.80	1.40	24.9	1210	1.60	1.40	26.5	1455	15	13
19 x 2.50	0.90	0.30	4 x 0.80	1.40	26.1	1355	1.60	1.40	27.7	1605	14	12
24 x 2.50	0.90	0.30	4 x 0.80	1.40	30.0	1655	1.60	1.56	32.0	1970	13	11
27 x 2.50	0.90	0.30	4 x 0.80	1.40	30.6	1770	1.60	1.56	32.6	2100	12	10
30 x 2.50	0.90	0.30	4 x 0.80	1.56	32.0	1940	1.60	1.56	33.6	2250	12	10
37 x 2.50	0.90	0.40	4 x 0.80	1.56	34.7	2300	2.00	1.56	37.1	2900	11	9

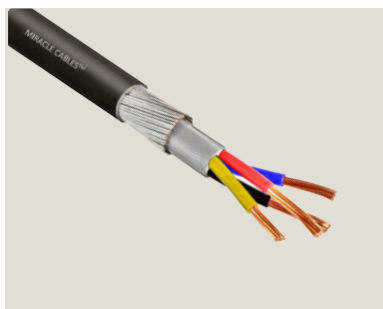


About us

Miracle Cables (I) Pvt. Ltd. is 16 years young company with aspirations to grow as a significant player in the cables industry. The company has an array of professionals dedicated to give the exceptional products and services to its customers. Situated in Mumbai, a strategic location of India, Miracle Cables currently caters to several world class organizations in India as well as abroad. Miracle Cables (I) Pvt. Ltd. has following achievements to its credit-

- ARAI(The automotive Research Association of India) test certificate
- ISO 9001-2008
- ISI Certification
- NTH (National Test House) test certificate
- CPRI test Certificate
- UL (Underwriters' Laboratories) Certification
- CVRDE (Combat Vehicles R & D Estt.) approval
- DGQA (Directorate General of Quality Association) approval
- ERTL (Electronics Regional Test Laboratory) certificate
- ERDA (Electrical Research & Development Association) test certificate
- ROHS Test certificate

Apart from Auto Cables, Miracle Cables (I) Pvt. Ltd. also manufactures cables for wide range of applications. These cables include Uninyvin Cable, Power cables, Control & instrumentation cable, Eco-friendly cable, and many more.



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