

# MIRACLE CABLES (INDIA) PVT. LTD.

## SOLID & STRANDED CABLES SPECIFICATIONS:

These Wires & Cables are used for Fixed wiring, House / Domestic wiring / Project & Industrial Plants, etc.

Standard as per ISI-694 & B.S.2004 Standard.

"Poly-Flex" Single Core Solid & Stranded Bright Annealed Copper Conductor PVC Insulated Unsheathed and PVC Sheathed Wires 650/1100 Volts Grade. House Service Wires as Per IS-694/90, With ISI Mark.

"Poly-Flex" Brand PVC Insulated Unsheathed Single Core Wires With Plain Annealed Copper Conductor Solid & Stranded Voltage Grade 250/650 Volts. As Per BS-2004.

Area	Strands.	Unsheathed Cable		Sheathed Cable			Resistance at 20°C "Ohm/km"	Current Rating Amps.
		Insulation thickness "mm"	Overall diameter "mm"	Insulation Thickness "mm"	Sheath Thickness "mm"	Overall Diameter "mm"		
1.00	1/1.12	0.70	2.60	0.60	0.80	4.15	17.7000	10
1.50	1/1.38	0.70	2.90	0.60	0.80	4.40	11.9000	13
2.50	1/1.78	0.80	3.50	0.70	0.80	5.00	7.1400	20
4.00	1/2.24	0.80	4.00	0.80	0.90	5.85	4.4700	26
4.00	7/0.80	0.80	4.20	0.80	0.90	5.90	4.5200	26
6.00	1/2.76	0.80	4.50	0.80	0.90	6.40	2.9700	35
6.00	7/1.06	0.80	5.00	0.80	0.90	6.65	3.0200	35
10.00	7/1.35	1.00	6.20	-	-	8.05	-	45
16.00	7/1.70	1.00	7.20	1.00	1.00	9.30	1.1300	55
25.00	7/2.14	1.20	8.90	1.20	1.10	11.20	0.7120	75
35.00	7/2.52	1.20	10.00	1.20	1.10	12.30	0.1400	90
50.00	7/3.02	1.40	11.90	1.40	1.20	14.40	0.3790	120
50.00	19/1.78	1.40	11.90	1.40	1.20	14.40	-	120
70.00	19/2.14	1.40	13.60	-	-	-	0.2620	150
95.00	19/2.50	1.60	15.80	-	-	-	0.1890	175
120.00	37/2.03	1.60	17.50	-	-	-	0.1500	200
150.00	37/2.24	1.80	19.40	-	-	-	0.1220	230
185.00	37/2.52	2.00	21.70	-	-	-	0.0972	265

No. & Dia of Wire "SWG"	No. & Dia of Wire "inch"	No. & Dia of Wire "mm"	Area "sq. mm"	Conductor Diameter "mm"	Overall Diameter max. "mm"	Current Rating "Amps"
1/18	1/0.044	1/1.120	0.985	1.12	3.00	5
3/22	3/0.029	3/0.737	1.250	1.59	3.40	10
3/20	3/0.036	3/0.914	1.930	1.97	3.80	15
7/22	7/0.028	7/0.737	2.930	2.21	4.20	20
7/20	7/0.036	7/0.914	4.520	2.74	4.75	28
7/18	7/0.044	7/1.120	6.750	3.35	5.40	36
7/16	7/0.064	7/1.630	14.200	4.88	7.10	43
19/18	19/0.044	19/1.120	18.290	5.59	8.00	62
19/16	19/0.640	19/1.630	33.700	8.13	10.80	97