

**"Poly Flex" Plain Copper Conductor, PVC insulated and sheathed 650/1100 V, MultiCore flexible as per IS : 694/1990 with ISI mark**

Area in "Sq. mm"	Conductor construction No. Wire/ "mm"	Conductor Dia.in "mm"	Max. DC Resistance "W/Km"at 200C	Insulation Thickness in "mm"Nominal	CoreDia (Approx.)	Current Rating in "Amp".	Sheath thickness in "mm" nominal.			Overall Diameter in "mm" approx.		
							2 Core	3 Core	4 Core	2 Core	3 Core	4 Core
0.50	16/0.20	0.94	39.0	0.60	2.20	0.90	0.90	0.90-	6.20	6.60	7.20	4
0.75	24/0.20	1.15	26.0	0.60	2.50	0.90	0.90	0.90	6.80	7.20	7.90-	7
1.00	32/0.20	1.34	19.5	0.60	2.60	0.90	0.90	0.90	7.00	7.50	8.10	12
1.50	*30/0.20	1.64	13.3	0.60	2.90	0.90	0.90	1.00	7.60	8.10	9.00	15
2.50	**50/0.25	2.08	7.98	0.70	3.50	1.00	1.00	1.00	9.00	9.60	10.50	20
4.00	56/0.30	2.61	4.95	0.80	4.30	1.00	1.00	1.00	10.6	11.3	12.4	27

**Flexible Multi -Core Cables**

"Poly Flex" Plain Copper Conductor, PVC insulated and sheathed 650/1100 V, MultiCore Flexible Cable

Area in "Sq. mm"	Conductor construction No. Wire/ "mm"	Conductor Dia. in "mm"	Max. DC Resistance "W/Km"at 200C	Insulation Thickness in "mm"Nominal	Core Dia (Approx.)	Sheath thickness in "mm" nominal.			Overall Diameter in "mm" approx.			Current Rating in "Amp".
						2 Core	3 Core	4 Core	2 Core	3 Core	4 Core	
6.00	84/0.30	3.50	3.30	0.80	5.10	1.15	1.15	1.40	12.6	13.4	15.2	33
10.0	140/0.30	4.60	1.91	1.00	6.60	1.40	1.40	1.40	16.0	17.0	18.8	45
16.0	101/0.45	6.00	1.21	1.00	8.00	1.40	1.40	1.40	18.8	20.1-	22.2	60
25.0	158/0.45	7.60	0.078	1.20	10.0	2.00	2.00	2.00	24.0	25.6	28.2	75
35.0	220/0.45	8.70	0.554	1.20	11.1	2.00	2.00	2.00	26.3	28.0	31.0	95

"Poly Flex" Multi -core round flexible cable (6 cores to 30 cores) generally as per IS : 694/1990

<b>Area "sq.mm".</b>	0.50	0.75	1.00	1.50	2.50	4.00
<b>General Construction no. of wire/ "mm"</b>	16/0.20	24/0.20	32/0.20	*30/0.20	**50/0.25	56/0.30
<b>Conductor Dia in "mm"</b>	0.94	1.20	1.34	1.64	2.08	2.61
<b>Avg. Insu. Thickness in "mm"</b>	0.60	0.60	0.60	0.60	0.70	0.80
<b>Core Dia in "mm"</b>	2.20	2.50	2.60	2.90	3.50	4.30

**No. of Cores**

6	Avg. Sheath thickness "mm"	0.90	1.00	1.00	1.00	1.10	1.20
	App. Overall Dia "mm"	8.50	9.50	9.80	10.7	12.7	15.3
7	Avg. Sheath thickness "mm"	0.90	1.00	1.00	1.00	1.10	1.20
	App. Overall Dia "mm"	8.50	9.50	9.80	10.7	12.7	15.3
8	Avg. Sheath thickness "mm"	1.00	1.00	1.00	1.10	1.20	1.30
	App. Overall Dia "mm"	9.30	10.4	10.7	11.9	14.1	16.9
10	Avg. Sheath thickness "mm"	1.00	1.10	1.10	1.10	1.30	1.40
	App. Overall Dia "mm"	10.8	12.2	12.6	13.8	16.6	20.0
12	Avg. Sheath thickness "mm"	1.00	1.10	1.10	1.10	1.30	1.40
	App. Overall Dia "mm"	11.2	12.6	13.0	14.3	17.2	20.7
14	Avg. Sheath thickness "mm"	1.10	1.10	1.10	1.20	1.30	1.40
	App. Overall Dia "mm"	12.0	13.3	13.7	15.2	18.1	21.8
16	Avg. Sheath thickness "mm"	1.10	1.20	1.20	1.20	1.40	1.50
	App. Overall Dia "mm"	12.6	14.2	14.6	16.0	19.3	23.2
19	Avg. Sheath thickness "mm"	1.10	1.20	1.30	1.30	1.40	1.50
	App. Overall Dia "mm"	13.8	14.9	15.6	17.1	20.8	24.6
24	Avg. Sheath thickness "mm"	1.20	1.30	1.30	1.40	1.40	1.50
	App. Overall Dia "mm"	15.6	17.6	18.2	20.2	23.8	28.8
30	Avg. Sheath thickness "mm"	1.30	1.30	1.30	1.40	1.40	1.50
	App. Overall Dia "mm"	16.8	18.7	19.3	21.5	25.7	30.6
	Max. Conductor Resistance in "W/km" at 200C.	39.0	26.0	19.5	13.3	7.98	4.95
	Recommended Current Rating in "AMP"	4	7	12	15	20	27