

# WIRES & CABLES



**ISO**  
9001:2000

IS:694

**PVC FLEXIBLE WIRES & CABLES**

**Table No. 2**

**“Polycab” Plain copper conductor, PVC insulated and sheathed 650/1100 V,**

**Multicore Flexible cables as Per is:694/1990 With ISI Mark**

Area in Sq. mm in	Construction Overall Dia. in mm	Conductance Ohm/Km at 20°C	Conductor Dia. nominal in mm	Resistivity	Max. DC thickness Rating	DC Diameter	Insulation Current dia.	Core in mm	Core	Sheath nominal	thickness	Amp.			
						2 core	3 core	4 core	2 core	3 core	4 core				
0.50	16/0.2	0.94	39.00	0.60	2.20	0.90	0.90	0.90	6.20	6.60	7.20	4			
0.75	24/0.2	1.20	26.00	0.60	2.50	0.90	0.90	0.90	6.80	7.20	7.90	7			
1.00	32/0.2	1.34	19.50	0.60	2.60	0.90	0.90	0.90	7.00	7.50	8.10	11			
1.50	*30/0.25	1.64	13.30	0.60	2.90	0.90	0.90	1.00	7.60	8.10	9.00	14			
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	19			
4.00	56/0.3	2.61	4.95	0.80	4.30	1.00	1.00	1.00	10.60	11.30	12.40	26			

\* This size can be supplied in 48/0.2 construction.

\*\* This size can be supplied in 80/0.2 construction

**Table No. 3**

**“Polycab” Plain copper conductor, PVC insulated and**

**sheathed 650/1100 V, Multicore Flexible cables**

Area in Sq. mm in	Construction Overall Dia. in mm	Conductance Ohm/Km at 20°C	Conductor Dia. nominal in mm	Resistivity	Max. DC thickness Rating	DC Diameter	Insulation Current dia.	Core in mm	Core	Sheath nominal	thickness	Amp.			
						2 core	3 core	4 core	2 core	3 core	4 core				
6	84/0.3	3.50	3.30	0.80	5.10	1.15	1.15	1.40	12.60	13.40	15.20	33			
10	140/0.3	4.60	1.91	1.00	6.60	1.40	1.40	1.40	16.00	17.00	18.80	45			
16	126/0.4	6.00	1.21	1.00	8.00	1.40	1.40	1.40	18.80	20.10	22.20	60			
25	196/0.4	7.60	0.780	1.20	10.00	2.00	2.00	2.00	24.00	25.60	28.20	75			
70	360/0.5	12.30	0.272	1.40	15.10	2.00	2.20	2.40	34.20	37.00	41.00	170			
50	396/0.4	10.60	0.386	1.40	13.40	2.00	2.00	2.00	30.90	33.00	36.50	125			
35	276/0.4	8.70	0.554	1.20	11.10	2.00	2.00	2.00	26.30	28.00	31.00	95			
95	485/0.5	14.70	0.206	1.60	17.90	2.20	2.40	2.40	40.20	43.50	47.80	210			

The above data is indicative and may be revised without prior information

# WIRES & CABLES

Table No. 4

“Polycab” Multicore round Flexible cable (6 cores To 30 cores)

## PVC FLEXIBLE WIRES & CABLES

Generally as Per is : 694/1990

area Sq. MM	0.50	0.75	1.00	1.50	2.50	4.00			
general Construction no./dia	16/0.2	24/0.2	32/0.2	*30/0.25	**50/0.25	56/0.3			
Conductor dia in MM	0.94	1.20	1.34	1.64	2.08	2.61			
avg. Insu. thickness in MM	0.60	0.60	0.60	0.60	0.70	0.80			
Core dia in MM	2.20	2.50	2.60	2.90	3.50	4.30			
<b>No. of cores</b>									
6 avg. Sheath thickness									
app. overall dia MM	0.90	1.00	1.00	1.00	1.10	1.20			
7 avg. Sheath thickness MM	8.50	9.50	9.80	10.70	12.70	15.30			
app. overall dia MM	0.90	1.00	1.00	1.00	1.10	1.20			
8 avg. Sheath thickness MM	8.50	9.50	9.80	10.70	12.70	15.30			
app. overall dia MM	1.00	1.00	1.00	1.10	1.20	1.30			
10 avg. Sheath thickness MM	9.30	10.40	10.70	11.90	14.10	16.90			
app. overall dia MM	1.00	1.10	1.10	1.10	1.30	1.40			
12 avg. Sheath thickness MM	10.80	12.20	12.60	13.80	16.60	20.00			
app. overall dia MM	1.00	1.10	1.10	1.10	1.30	1.40			
14 avg. Sheath thickness MM	11.20	12.60	13.00	14.30	17.20	20.70			
app. overall dia MM	1.10	1.10	1.10	1.20	1.30	1.40			
16 avg. Sheath thickness MM	12.00	13.30	13.70	15.20	18.10	21.80			
app. overall dia MM	1.10	1.20	1.20	1.20	1.40	1.50			
19 avg. Sheath thickness MM	12.60	14.20	14.60	16.00	19.30	23.20			
app. overall dia MM	1.10	1.20	1.30	1.30	1.40	1.50			
24 avg. Sheath thickness MM	13.20	14.90	15.60	17.10	20.30	24.50			

**RAVI CHHABRIA**

**RAMESH CABLE COPRN.**

**461 BUDHWAR PETH,**

**NEAR PASODIYA VITHOBA TEMPLE**

**PUNE 411 002**

**PH NO 020-24454590,24496021/2, 24459241/2**