Flexible Cables

Techno Flex Flexible Multicore sheathed cables are used for **DOMESTIC & INDUSTRIAL** purpose by the use of bright annealed copper conductor and high class PVC to confirming IS : 694 : 1990, with ISI mark.

Area sq.mm	No. Of Strand & Dia. Of Wires	Overall Conductor. Dia.	Insulation Thickness mm	Overall Cable Dia. (approx) mm	DC Resistance At 20°C Ω / KM max.	Sheath Thickness in mm Nominal			Overall Diameter (approx.) mm			Current Rating Amp.
						2 Core	3 Core	4 Core	2 Core	3 Core	4 Core	
6.0	84 / 0.30	3.4	0.80	5.10	3.30	1.10	1.10	1.20	12.5	13.2	14.8	33.0
10.0	63 / 0.45	4.3	1.00	6.50	1.91	1.20	1.20	1.30	15.5	16.6	18.5	45.0
16.0	101/0.45	5.6	1.00	7.80	1.21	1.30	1.30	1.40	18.3	19.6	21.8	60.0
25.0	158/0.45	6.9	1.20	9.30	0.78	1.40	1.50	1.60	21.5	23.2	25.8	75.0
35.0	220/0.45	8.2	1.20	10.8	0.554	1.50	1.60	1.70	24.6	26.9	29.7	95.0
50.0	315/0.45	10.0	1.40	13.0	0.386	1.60	1.70	1.80	29.3	31.6	35.2	125.0

Techno Flex Flexible Multicore Cables used for **Domestic & Industrial use**, manufactured with bright annealed copper, PVC insulated and sheathed cable for working 1100 voltage and to confirming to IS : 694 : 1990 with ISI mark. **(2 Core to 30 Core)**

Area in sq.mm.		0.50	0.75	1.00	1.50	2.50	4.00
Construction : No. of wires / Dia.		16 / 0.20	24 / 0.20	32 / 0.20	48 / 0.20	80 / 0.20	56 / 0.30
Overall Conductor Diametre		1.00	1.20	1.35	1.68	2.08	2.58
Average insulation thickness in mm		0.6	0.6	0.6	0.6	0.7	0.8
Core Dia. in mm		2.2	2.4	2.6	2.9	3.5	4.2
No Of Cores	Sheath Dimension						
2	Avg. Sheath thickness in mm	0.9	0.9	0.9	0.9	1.0	1.0
	Approx. Overall Dia. in mm	6.2	6.8	7.0	7.6	9.0	10.6
3	Avg. Sheath thickness in mm	0.9	0.9	0.9	0.9	1.0	1.0
	Approx. Overall Dia. in mm	6.6	7.2	7.5	8.1	9.6	11.3
4	Avg. Sheath thickness in mm	0.9	0.9	0.9	1.0	1.0	1.0
	Approx. Overall Dia. in mm	7.2	7.9	8.1	9.0	10.5	12.4
6	Avg. Sheath thickness in mm	0.9	1.0	1.0	1.0	1.1	1.2
	Approx. Overall Dia. in mm	8.5	9.5	9.8	10.7	12.7	15.3
7	Avg. Sheath thickness in mm	0.9	1.0	1.0	1.0	1.1	1.2
	Approx. Overall Dia. in mm	8.5	9.5	9.8	10.7	12.7	15.3
8	Avg. Sheath thickness in mm	1.0	1.0	1.0	1.1	1.2	1.3
	Approx. Overall Dia. in mm	9.3	10.4	10.7	11.9	14.1	16.9
10	Avg. Sheath thickness in mm	1.0	1.1	1.1	1.1	1.3	1.4
	Approx. Overall Dia. in mm	10.8	12.2	12.6	13.8	16.6	20.0
12	Avg. Sheath thickness in mm	1.0	1.1	1.1	1.1	1.3	1.4
	Approx. Overall Dia. in mm	11.2	12.6	13.0	14.3	17.2	20.7
14	Avg. Sheath thickness in mm	1.1	1.1	1.1	1.2	1.3	1.4
	Approx. Overall Dia. in mm	12.0	13.3	13.7	15.2	18.1	21.8
16	Avg. Sheath thickness in mm	1.1	1.2	1.2	1.2	1.4	1.5
	Approx. Overall Dia. in mm	12.6	14.2	14.6	16.0	19.3	23.2
19	Avg. Sheath thickness in mm	1.1	1.2	1.3	1.3	1.4	1.5
	Approx. Overall Dia. in mm	13.2	14.9	15.6	17.1	20.3	24.5
24	Avg. Sheath thickness in mm	1.2	1.3	1.3	1.4	1.4	1.5
	Approx. Overall Dia. in mm	15.6	17.6	18.2	20.2	23.8	28.8
30	Avg. Sheath thickness in mm	1.3	1.3	1.3	1.4	1.4	1.5
	Approx. Overall Dia. in mm	16.8	18.7	19.3	21.5	25.7	30.6
	Max conductor Resistance at 20°C Ω / Km	39.0	26.0	19.5	13.3	7.98	4.95
	Recommended current rating Amp	4.0	7.0	11.0	14.0	19.0	26.0