



UNIWIRE CABLES

HOUSE WIRING & INDUSTRIAL CABLES (IS 694)



694 CM/
L NO. 8400077511



FLEXIBLE MULTI STRAND HOUSE WIRING



Nominal cross sectional area of conductor	No. nom. Dia. Of wires	Thickness of insulation (nom.)	Appr. Overall dia.	Current carrying capacity* 2 wire single phase	D.C. resistance (max.) per Km. at 20°C
sq.mm	mm	mm	mm	mm	mm
1	14/0.30	0.7	2.8	12	18.1
1.5	22/0.30	0.7	3.1	16	12.1
2.5	36/0.30	0.8	3.8	22	7.41
4.6	56/0.30	0.8	4.4	29	4.95
6	84/0.30	0.8	5.2	37	3.3

Standard colour : Red, yellow, blue, black & green (for earthing).
 Supplied in 90 mtr coils in attractive cartons, conforms to IS 694:1990

FLEXIBLE MULTI STRAND HOUSE WIRING



No. & dia of wire, No./inch	No. & dia of wire, No./SWG	No. & dia of wire, No./mm	Thickness		Appr. Overall dia. mm	appr. Weight of cable mm	current rating Amps.	Standard length of coil mtrs.
			PV insulation mm	PVC outersheath mm				

Single core unsheathed

1/0.044	1/18	1/1.2	1	-	3.2	18.1	19	91.44
3/0.029	3/32	3/0.73	1	-	3.7	23.5	22	91.44
3/0.036	3/20	3/0.91	1	-	4.12	31.2	28	91.44
7/0.029	7/22	7/0.73	1.1	-	4.5	41.5	38	91.44
7/0.036	7/20	7/0.91	1.2	-	5.2	60	46	91.44
7/0.044	7/18	7/1.12	1.2	-	5.8	81.5	57	91.44
7/0.052	-	7/1.32	1.2	-	6.4	108	70	91.44
7/0.064	7/16	7/1.62	1.3	-	7.5	156	88	91.44
19/0.044	19/18	19/1.12	1.3	-	8.3	197	110	91.44
19/0.025	-	19/1.42	1.3	-	9.3	365	127	91.44
19/0.064	19/16	19/1.62	1.4	-	11	390	160	91.44
19/0.083	19/14	19/2.11	1.4	-	13.4	640	220	91.44
37/0.064	37/16	37/1.64	1.5	-	14.5	725	245	91.44
37/0.083	37/14	37/2.11	1.5	-	17.9	1210	320	91.44

Single core Sheathed

1/0.044	1/18	1/1.12	1	0.7	4.7	30	19	91.44
3/0.029	3/32	3/0.73	1	0.7	5.2	37	22	91.44
3/0.036	3/20	3/0.91	1	0.7	5.6	45.5	28	91.44
7/0.029	7/22	7/0.073	1.1	0.7	6	58	38	91.44
7/0.036	7/20	7/0.91	1.2	0.7	6.6	74	46	91.44
7/0.044	7/18	7/1.12	1.2	0.7	7.2	100.5	57	91.41

Two Core Flat

1/0.044	1/18	1/1.12	1	0.9	5.10x8.40	71	14	91.44
3/0.029	3/32	3/0.73	1	0.9	5.60x9.40	87	18	91.44
3/0.036	3/20	3/0.91	1	1	6.20x10.40	113	24	91.44
7/0.029	7/22	7/0.073	1.1	1	6.60x11.20	140	31	91.44
7/0.036	7/20	7/0.91	1.2	1	7.20x12.40	182	37	91.44
7/0.044	7/18	7/1.12	1.2	1	8.00x13.80	239	46	91.41

FLEXIBLE MULTI STRAND HOUSE WIRING



Nominal cross sectional area sq.mm	Thickness of PVC insulation mm	THICKNESS		Apprx. Overall diameter mm	Apprx. Weight of cable mm	Current rating Amps.	Standard length of coll meters
		PVC insulation mm	PVC Outer sheath mm				
SINGLE CORE UNSHEATHED							
0.5	16/0.20	0.6	-	2.1	8.7	3	100
0.75	24/0.20	0.6	-	2.25	11.4	6	100
1	32/0.20	0.6	-	2.45	14.3	10	100
1.5	48/2	0.6	-	2.8	20.2	15	100
2.5	80/0.20	0.7	-	3.35	31.7	20	100
4	128/0.20	0.8	-	4	48.5	25	100
6	85/0.30	0.8	-	4.55	69	32	100
10	141/0.30	1	-	6	117	43	100
16	162/0.40	1	-	7	177	58	100
25	196/0.40	1.2	-	8.5	270	78	100
35	276/0.40	1.2	-	9.6	370	95	100
50	396/0.40	1.4	-	11.6	540	120	100
TWO CORE TWISTED							
0.5	16/0.20	0.6			17.7	3	100
0.75	24/0.20	0.6			23.2	6	100
1	32/0.20	0.6			29	10	100
1.5	48/0.20	0.6			41	15	100
2.5	80/0.20	0.7			64	20	100
4	128/0.20	0.8			98	25	100
TWO CORE ROUND							
0.5	16/0.20	0.6	0.9	6.1	49	3	100
0.75	24/0.20	0.6	0.9	6.4	59.2	6	100
1	32/0.20	0.6	0.9	6.8	66.7	10	100
1.5	48/0.20	0.6	0.9	7.5	85.6	15	100
2.5	80/0.20	0.7	1	8.8	125	20	100
4	128/0.20	0.8	1	10.1	175	25	100
THREE CORE ROUND							
0.5	16/0.20	0.6	0.9	6.5	58	3	100
0.75	24/0.20	0.6	0.9	6.8	68	6	100
1	32/0.20	0.6	0.9	7.2	80	10	100
1.5	48/0.20	0.6	0.9	8	106	15	100
2.5	80/0.20	0.7	1	9.4	155	20	100
4	128/0.20	0.8	1	10.7	220	25	100
6	85/0.30	0.8	1.1	12.1	300	32	100
10	141/0.30	1	1.2	15.14	495	43	100
16	126/0.40	1	1.3	17.8	725	58	100
25	196/0.40	1.2	1.5	21.5	1090	78	100
35	276/0.40	1.2	1.6	24	1435	95	100
50	396/0.40	1.4	1.7	28.5	2070	120	100
FOUR CORE ROUND							
0.5	16/0.20	0.6	0.9	7.1	70	3	100
0.75	24/0.20	0.6	0.9	7.5	85	6	100
1	32/0.20	0.6	0.9	8	102	10	100
1.5	48/0.20	0.6	1	9	136	15	100
2.5	80/0.20	0.7	1	10.3	195	20	100
4	128/0.20	0.8	1	11.9	280	25	100