

## TECHNICAL SPECIFICATIONS

PLAIN COPPER CONDUCTOR, PVC INSULATED & SHEATHED 650/1100 V,  
MULTICORE FLEXIBLE CABLES

AREA IN SQ. MM.	CONSTRUCTION NO./DIA	COND. DIA IN MM	MAX. DC RESISTANCE OHM/KM @ 20 DEG. C	INSULATION THICKNESS NOMINAL MM	CORE DIA MM	OVER ALL DIA IN MM APPROX			SHEATH THICKNESS IN MM NOMINAL			CURRENT RATING 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	6.20	6.60	7.20	0.90	0.90	0.90	4
0.75	24/0.2	1.20	26.00	0.60	2.50	6.80	7.20	7.90	0.90	0.90	0.90	7
1.00	32/0.2	1.34	9.50	0.60	2.60	7.00	7.50	8.10	0.90	0.90	0.90	12
1.50	48/0.2	1.60	13.30	0.60	2.90	7.60	8.10	9.00	0.90	0.90	0.90	16
2.50	80/0.2	2.05	7.98	0.70	3.50	9.00	9.60	10.50	1.00	1.00	1.00	22
4.00	56/0.3	2.61	4.95	0.80	4.30	10.60	11.30	12.40	1.00	1.00	1.00	29

PLAIN COPPER CONDUCTOR, PVC INSULATED & SHEATHED 650/1100V,  
MULTICORE FLEXIBLE CABLES

AREA IN SQ. MM.	CONSTRUCTION NO./DIA	COND. DIA	MAX. DC RESISTANCE OHM/KM @ 20 DEG. C	INSULATION THICKNESS NOMINAL MM	CORE DIA MM	OVER ALL DIA IN MM APPROX			SHEATH THICKNESS IN MM NOMINAL			CURRENT RATING AMP.
						COR E	COR E	COR E	COR E	COR E	COR E	
6.00	84/0.3	3.5	3.30	0.80	5.10	12.60	13.40	15.20	1.15	1.15	1.15	37
10.00	140/0.3	4.60	1.91	1.00	6.60	16.00	17.00	18.80	1.40	1.40	1.40	51
16.00	226/0.3	6	1.21	1.00	8.00	18.80	20.10	22.20	1.40	1.40	1.40	68
25.00	354/0.3	7.6	0.78	1.20	10.00	24.00	25.60	28.20	2.00	2.00	2.00	86
35.00	494/0.3	8.7	0.554	1.20	11.10	26.30	28.00	31.00	2.00	2.00	2.00	110
50.00	703/0.3	10.6	0.386	1.40	13.40	30.90	33.00	36.50	2.00	2.00	2.00	145
70.00	360/0.3	12.3	0.272	1.40	15.10	34.20	27.00	41.00	2.00	2.00	2.00	215
95.00	485/0.3		0.206	1.60	17.90	40.20	43.50	47.80	2.20	2.40	2.40	260



**MULTICORE ROUND FLEXIBLE CABLES (6 CORES TO 19 CORES) GENERALLY**

AREA IN 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	48/0.2	80/0.2	56/0.3
CONDUCTOR DIA. IN MM	0.94	1.20	1.34	1.60	2.05	2.61
INSULATION THICKNESS NOMINAL MM	0.60	0.60	0.60	0.60	0.70	0.80
APPROX INSU DIA. IN MM	2.20	2.50	2.60	2.90	3.50	4.30

**PVC INSULATED & SHEATHED MULTICORE FLEXIBLE CABLE AS PER IS: 694**

NO. OF CORE	0.5 SQ. MM 16/0.2 MM RATE / 90 MTR.	0.75 SQ. MM 24/0.2 MM RATE / 90 MTR.	1 SQ. MM 32/0.2 MM RATE / 90 MTR.	1.5 SQ. MM 30/0.25 MM RATE/ 90 MTR.	2.5 SQ. MM 50/0.25 MM RATE/ 90 MTR.	4 SQ. MM 56/0.30 MM - RATE / 90 MTR.
5 CORE	✓	✓	✓	✓	✓	✓
6 CORE	✓	✓	✓	✓	✓	✓
7 CORE	✓	✓	✓	✓	✓	✓
8 CORE	✓	✓	✓	✓	✓	✓
10 CORE	✓	✓	✓	✓	✓	✓
12 CORE	✓	✓	✓	✓	✓	✓
16 CORE	✓	✓	✓	✓	✓	✓
19 CORE	✓	✓	✓	✓	✓	✓
24 CORE	✓	✓	✓	✓	✓	✓
34 CORE	✓	✓	✓	✓	✓	✓