

FLEXIBLE SINGLE/ MULTICORE CABLES AS PER IS:694 - 2010

TECHNICAL SPECIFICATIONS

FLEXIBLE SINGLE/MULTICORE CABLES AS PER IS:694 - 2010

Area		(Sq mm)	0.50	0.75	1.00	1.50	2.50	4.00	6.00	10.00	16.00	25.00	35.00	50.00
Current Ratings		Amps	4	7	15	12	20	27	35	46	62	80	102	138
Conductor Resistance		Ω/km	39.00	26.00	19.50	13.30	7.98	4.95	3.30	1.91	1.21	0.780	0.554	0.386
Single Core Unsheathed	Nominal Thickness	mm	0.60	0.60	0.60	0.60	0.70	0.80	1.00	1.00	1.20	1.20	1.40	1.40
	Approx Diameter	mm	2.20	2.35	2.50	2.80	3.60	4.20	4.80	6.20	7.20	9.20	10.20	12.40
Single Core sheathed	Nominal Thickness	mm	0.90	0.90	0.90	0.90	1.00	1.00	1.10	1.30	1.40	1.40	1.60	2.00
	Approx Diameter	mm	4.00	4.20	4.30	4.60	5.60	6.20	7.00	8.80	10.00	12.00	13.40	16.40
Twin Twisted	Nominal Thickness	mm	0.60	0.60	0.60	0.60	0.70	0.80						
	Approx Diameter	mm	4.40	4.70	5.00	5.60	7.20	8.50						
Twin Flat	Nominal Thickness	mm	0.90	0.90	0.90	0.90	1.00	1.00	1.10	1.30	1.40	1.40	1.60	2.00
	Approx Diameter	mm	4.0 x 6.2	4.2 x 6.5	4.3 x 6.8	4.6 x 7.4	5.6 x 9.2	6.2 x 10.4	7 x 11.8	8.8 x 15.0	10 x 17.2	12 x 21.2	13.5 x 24.0	16.5 x 29.0
Two Core	Nominal Thickness	mm	0.90	0.90	0.90	0.90	1.00	1.00	1.10	1.30	1.40	1.40	1.60	2.00
	Approx Diameter	mm	6.20	6.50	6.80	7.40	9.20	10.40	11.80	15.00	17.20	21.20	23.60	28.80
Three Core	Nominal Thickness	mm	0.90	0.90	0.90	0.90	1.00	1.00	1.20	1.40	1.40	1.50	1.60	2.00
	Approx Diameter	mm	6.60	6.90	7.20	7.90	9.80	11.10	12.80	16.20	18.40	23.00	25.50	31.00
Four Core	Nominal Thickness	mm	0.90	0.90	0.90	1.00	1.00	1.00	1.20	1.40	1.40	1.60	1.70	2.00
	Approx Diameter	mm	7.20	7.50	7.90	8.80	10.80	12.20	14.20	18.00	20.40	25.60	28.20	34.20
Five Core	Nominal Thickness	mm	0.90	0.90	1.00	1.00	1.00	1.00						
	Approx Diameter	mm	7.60	8.00	8.50	9.40	11.50	13.00						

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Area		(Sq mm)	0.50	0.75	1.00	1.50	2.50							
Current Ratings		Amps	4	7	15	12	20							
Conductor Resistance		Ω/km	39.00	26.00	19.50	13.30	7.98							
Insulation	Nominal Thickness	mm	0.60	0.60	0.60	0.60	0.70							
	Approx Diameter	mm	2.20	2.30	2.45	2.75	3.50							
Sheath		mm	Nominal Thickness	Approx Diameter	Nominal Thickness	Approx Diameter	Nominal Thickness	Approx Diameter	Nominal Thickness	Approx Diameter	Nominal Thickness	Approx Diameter	Nominal Thickness	Approx Diameter
6	Core	mm	0.9	8.40	1.00	9.05	1.00	9.50	1.00	10.40	1.10	13.00		
7	Core	mm	0.9	8.40	1.00	9.05	1.00	9.50	1.00	10.40	1.10	13.00		
8	Core	mm	1.0	9.60	1.00	10.20	1.00	10.70	1.10	11.90	1.20	15.00		
9	Core	mm	1.0	10.40	1.10	11.30	1.10	11.70	1.10	12.90	1.30	16.40		
10	Core	mm	1.0	10.80	1.10	11.60	1.10	12.20	1.10	13.50	1.30	17.00		
11	Core	mm	1.0	10.80	1.10	12.00	1.10	12.60	1.10	13.90	1.30	17.60		
12	Core	mm	1.0	11.20	1.10	12.00	1.10	12.60	1.10	13.90	1.30	17.60		
13	Core	mm	1.0	11.80	1.10	12.60	1.10	13.30	1.20	14.80	1.30	18.60		
14	Core	mm	1.1	12.60	1.10	12.60	1.10	13.30	1.20	14.80	1.30	18.60		
15	Core	mm	1.1	12.60	1.20	13.50	1.20	14.20	1.20	15.60	1.40	19.80		
16	Core	mm	1.1	13.30	1.20	13.60	1.20	14.20	1.20	15.60	1.40	19.80		
17	Core	mm	1.1	13.40	1.20	14.20	1.20	15.00	1.30	16.80	1.40	20.80		
18	Core	mm	1.1	14.00	1.20	14.20	1.30	15.20	1.30	16.80	1.40	20.80		
19	Core	mm	1.1	14.00	1.20	14.20	1.30	15.20	1.30	16.80	1.40	21.00		
20	Core	mm	1.2	14.20	1.30	15.20	1.40	16.20	1.40	17.80	1.50	22.20		
21	Core	mm	1.2	14.20	1.30	15.20	1.40	16.20	1.40	17.80	1.50	22.20		
22	Core	mm	1.2	15.00	1.30	16.00	1.40	17.00	1.40	18.80	1.50	23.50		
23	Core	mm	1.2	15.00	1.30	16.00	1.40	17.00	1.40	18.80	1.50	23.50		
24	Core	mm	1.2	15.80	1.30	16.80	1.40	18.00	1.40	19.80	1.50	25.00		
25	Core	mm	1.2	16.00	1.30	17.00	1.40	18.20	1.40	20.00	1.50	25.00		