

Power Cables Power Cable - Two Core

Nominal Cross sectional Area in mm ² & Cores	Nominal Insulation Thickness mm	Min. Inner Sheath Thickness mm	Armour		Min. Outer Sheath Thickness mm	Overall Diameter Approx. mm	Weight Of Cable Approx. Kg/Km	Max. DC Resist. At 20°C Ω/Km	Current Ratings		
			GI Rd. Wire	GI Flat Strip 4x0.8mm					Direct in Ground Amps	In Ducts Amps.	In Air Amps.
2.5 x 2	0.9	0.30	1.4	---	1.24	13.8	350	12.1	25	21	21
4.0 x 2	1.0	0.30	1.4	---	1.24	15.2	425	7.41	32	27	27
6.0 x 2	1.0	0.30	1.4	---	1.24	16.6	475	4.61	40	34	35
10.0 x 2	1.0	0.30	1.4	---	1.24	18.6	565	3.08	55	45	47
16.0 x 2	1.0	0.30	---	0.8	1.40	17.0	500	1.91	70	58	59
25.0 x 2	1.2	0.30	---	0.8	1.40	19.5	650	1.20	90	76	78
35.0 x 2	1.2	0.30	---	0.8	1.40	21.0	750	0.868	110	92	99
50.0 x 2	1.4	0.30	---	0.8	1.40	24.0	950	0.641	135	115	125
70.0 x 2	1.4	0.30	---	0.8	1.56	26.0	1150	0.443	160	140	150
95.0 x 2	1.6	0.40	---	0.8	1.56	29.5	1460	0.320	190	170	185
120.0 x 2	1.6	0.40	---	0.8	1.56	31.5	1670	0.253	210	190	210
150.0 x 2	1.8	0.40	---	0.8	1.72	34.5	2010	0.206	240	210	240
185.0 x 2	2.0	0.50	---	0.8	1.88	38.5	2450	0.164	275	240	275

Nominal Cross sectional Area in mm ² & Cores	Nominal Insulation Thickness mm	Min. Inner Sheath Thickness mm	Armour		Min. Outer Sheath Thickness mm	Overall Diameter Approx. mm	Weight Of Cable Approx. Kg/Km	Max. DC Resist. At 20°C Ω/Km	Current Ratings		
			GI Rd. Wire	GI Flat Strip 4x0.8mm					Direct in Ground Amps	In Ducts Amps.	In Air Amps.
2.5 x 3	0.9	0.30	1.4	---	1.24	14.6	400	12.1	21	18	18
4.0 x 3	1.0	0.30	1.4	---	1.24	16.0	480	7.41	28	23	23
6.0 x 3	1.0	0.30	1.4	---	1.24	17.6	560	4.61	35	30	30
10.0 x 3	1.0	0.30	1.4	---	1.40	19.5	675	3.08	46	39	40
16.0 x 3	1.0	0.30	---	0.8	1.40	20.0	650	1.91	60	50	51
25.0 x 3	1.2	0.30	---	0.8	1.40	22.5	800	1.20	76	63	70
35.0 x 3	1.2	0.30	---	0.8	1.40	24.5	950	0.868	92	77	86
50.0 x 3	1.4	0.30	---	0.8	1.56	26.5	1200	0.641	110	95	105
70.0 x 3	1.4	0.40	---	0.8	1.56	31.0	1500	0.443	135	115	130
95.0 x 3	1.6	0.40	---	0.8	1.56	35.0	1900	0.320	165	140	155
120.0 x 3	1.6	0.40	---	0.8	1.72	38.0	2240	0.253	185	155	180
150.0 x 3	1.8	0.50	---	0.8	1.88	42.0	2700	0.206	210	175	205
185.0 x 3	2.0	0.50	---	0.8	1.88	46.0	3200	0.164	235	200	240

POWER CABLES - THREE & HALF CORE

Nominal Cross sectional Area in mm ² & Cores	Nominal Insulation Thickness mm	Min. Inner Sheath Thickness mm	Armour		Min. Outer Sheath Thickness mm	Overall Diameter Approx. mm	Weight Of Cable Approx. Kg/Km	Max. DC Resist. At 20°C Ω/Km	Current Ratings		
			GI Rd. Wire	GI Flat Strip 4x0.8mm					Direct in Ground Amps	In Ducts Amps.	In Air Amps.
25.0 x 3.5	1.2 / 1.0	0.30	---	0.8	1.40	25.0	900	1.20/1.91	76	63	70
35.0 x 3.5	1.2 / 1.0	0.30	---	0.8	1.40	27.0	1030	0.868/1.91	92	77	86
50.0 x 3.5	1.4 / 1.2	0.30	---	0.8	1.56	31.0	1350	0.641/1.20	100	95	105
70.0 x 3.5	1.4 / 1.2	0.40	---	0.8	1.56	34.0	1725	0.443/0.868	135	115	130
95.0 x 3.5	1.6 / 1.4	0.40	---	0.8	1.56	39.0	2130	0.320/0.641	165	140	155
120.0 x 3.5	1.6 / 1.4	0.50	---	0.8	1.72	42.0	2580	0.253/0.443	185	155	180
150.0 x 3.5	1.8 / 1.4	0.50	---	0.8	1.88	46.5	3050	0.206/0.443	210	175	205
185.0 x 3.5	2.0 / 1.6	0.50	---	0.8	2.04	51.5	3650	0.164/0.320	285	200	240

POWER CABLES - FOUR CABLE

Nominal Cross sectional Area in mm ² & Cores	Nominal Insulation Thickness mm	Min. Inner Sheath Thickness mm	Armour		Min. Outer Sheath Thickness mm	Overall Diameter Approx. mm	Weight Of Cable Approx. Kg/Km	Max. DC Resist. At 20°C Ω/Km	Current Ratings		
			GI Rd. Wire	GI Flat Strip 4x0.8mm					Direct in Ground Amps	In Ducts Amps.	In Air Amps.
2.5 x 4	0.9	0.30	1.4	---	1.24	16.5	480	12.1	21	18	18
4.0 x 4	1.0	0.30	1.4	---	1.24	18.0	550	7.41	28	23	23
6.0 x 4	1.0	0.30	1.4	---	1.24	19.5	650	4.61	35	30	30
10.0 x 4	1.0	0.30	---	0.8	1.40	20.0	660	3.08	46	39	40
16.0 x 4	1.0	0.30	---	0.8	1.40	23.0	750	1.91	60	50	51
25.0 x 4	1.2	0.30	---	0.8	1.40	26.5	950	1.20	76	63	70
35.0 x 4	1.2	0.30	---	0.8	1.40	29.0	1165	0.868	92	77	86
50.0 x 4	1.4	0.40	---	0.8	1.56	33.5	1540	0.641	110	95	105
70.0 x 4	1.4	0.40	---	0.8	1.56	37.0	1800	0.443	135	115	130
95.0 x 4	1.6	0.40	---	0.8	1.72	42.0	2400	0.320	165	140	155
120.0 x 4	1.6	0.50	---	0.8	1.88	46.0	2800	0.253	185	155	180
150.0 x 4	1.8	0.50	---	0.8	1.88	50.5	3350	0.206	210	175	205
185.0 x 4	2.0	0.60	---	0.8	2.04	55.5	4000	0.164	235	200	240

Control Cable - 1.5 sq.mm

No of cores	Nominal Insulation Thickness mm	Min. Inner Sheath Thickness mm	Armour		Nominal Sheath Thickness Unarm. mm	Min. Sheath Thickness Arm. mm	Overall Dia Approx.		Weight Of Cables Approx.		Max. DC Resist. At 20°C Ω/Km	Current Ratings		
			GI Rd. Wire	GI Flat Strip 4x0.8			Unarm	Arm	Unarm	Arm		Direct In Grd Amp	In Ducts Amp	In Air Amp
2	0.80	0.30	1.4	---	1.80	1.24	10.6	13.0	130	350	12.1	23	20	20
3	0.80	0.30	1.4	---	1.80	1.24	11.2	14.0	160	400	12.1	21	17	17
4	0.80	0.30	1.4	---	1.80	1.24	12.0	14.8	190	450	12.1	21	17	17
5	0.80	0.30	1.4	---	1.80	1.24	13.0	15.7	225	500	12.1	21	17	17
6	0.80	0.30	1.4	---	1.80	1.24	14.0	16.6	250	550	12.1	15	13	13
7	0.80	0.30	1.4	---	1.80	1.24	14.0	16.6	265	565	12.1	14	13	13
10	0.80	0.30	1.4	---	1.80	1.40	17.0	20.0	350	750	12.1	13	11	11
12	0.80	0.30	---	0.80	1.80	1.40	17.6	19.5	400	650	12.1	12	10	10
14	0.80	0.30	---	0.80	1.80	1.40	18.5	20.0	450	760	12.1	11	10	10
16	0.80	0.30	---	0.80	1.80	1.40	19.5	21.0	500	800	12.1	11	09	09
19	0.80	0.30	---	0.80	2.00	1.40	20.8	22.0	600	850	12.1	10	09	09
24	0.80	0.30	---	0.80	2.00	1.40	24.0	25.6	725	1050	12.1	09	08	08
30	0.80	0.30	---	0.80	2.00	1.40	25.5	27.0	860	1200	12.1	09	07	07
37	0.80	0.30	---	0.80	2.00	1.40	27.0	28.6	1050	1400	12.1	08	07	07
61	0.80	0.40	---	0.80	2.20	1.56	33.5	35.5	1650	2100	12.1	07	06	06

Control Cable - 2.5 sq.mm

No of cores	Nominal Insulation Thickness mm	Min. Inner Sheath Thickness mm	Armour		Nominal Sheath Thickness Unarm. mm	Min. Sheath Thickness Arm. mm	Overall Dia Approx.		Weight Of Cables Approx.		Max. DC Resist. At 20°C Ω/Km	Current Ratings		
			GI Rd. Wire	GI Flat Strip 4x0.8			Unarm	Arm	Unarm	Arm		Direct In Grd Amp	In Ducts Amp	In Air Amp
2	0.90	0.30	1.4	---	1.80	1.24	11.8	14.5	160	425	7.41	32	27	27
3	0.90	0.30	1.4	---	1.80	1.24	12.5	15.5	225	475	7.41	27	24	24
4	0.90	0.30	1.4	---	1.80	1.24	13.5	16.3	250	530	7.41	27	24	24
5	0.90	0.30	1.4	---	1.80	1.24	14.5	17.4	300	600	7.41	27	24	24
6	0.90	0.30	1.4	---	1.80	1.24	16.0	18.4	340	675	7.41	20	18	18
7	0.90	0.30	1.4	----	1.80	1.24	16.0	18.4	375	700	7.41	20	17	17
10	0.90	0.30	---	0.80-	1.80	1.40	19.5	21.3	500	780	7.41	18	15	15
12	0.90	0.30	---	0.80	2.00	1.40	20.5	22.1	600	850	7.41	17	14	14
14	0.90	0.30	---	0.80	2.00	1.40	21.5	23.0	650	950	7.41	16	13	13
16	0.90	0.30	---	0.80	2.00	1.40	22.5	24.0	750	1050	7.41	15	13	13
19	0.90	0.30	---	0.80	2.00	1.40	23.5	25.1	850	1150	7.41	14	12	12
24	0.90	0.30	---	0.80	2.00	1.40	27.5	29.0	1050	1400	7.41	13	11	11
30	0.90	0.30	----	0.80	2.00	1.56	29.0	30.5	1250	1700	7.41	12	10	10
37	0.90	0.30	---	0.80	2.20	1.56	31.5	33.0	1550	2000	7.41	11	10	10
61	0.90	0.40	---	0.80	2.20	1.56	39.0	40.5	2450	3100	7.41	09	08	08