

LOW VOLTAGE CABLES

Single core cables, with stranded circular copper or Aluminium conductors,pvc insulated,and pvc sheathed

copper/pvc/pvc

Nominal Cross Sectional Area	Max Conductor Resistance		Current Carrying Capacity				Overall Diameter (approx.)	Overall Weight (approx.)
	at20 °C	AC at 70 °C	Ground		Air			
			Trefoil	Duct	Trefoil	Flat Spaced		
mm²	Ω/km	Ω/km	A	A	A	A	mm	kg/km
1.5	12.1	14.48	31	22	20	22	5.5	45
2	9.05	10.83	37	25	24	32	5.8	55
2.5	7.41	8.87	40	28	26	35	6.0	60
3	6.03	7.21	44	31	29	39	6.6	70
4	4.61	5.51	52	37	35	47	6.9	80
6	3.08	3.68	65	46	45	59	7.6	110
10	1.83	2.19	87	61	61	81	8.4	155
16	1.15	1.37	112	80	81	107	9.4	220
25	0.727	0.870	145	105	110	143	11.3	335
35	0.524	0.627	173	126	135	175	12.4	435
50	0.387	0.463	204	151	166	214	14.1	580
70	0.268	0.321	252	188	212	273	16.2	800
95	0.193	0.231	301	229	263	335	18.4	1085
120	0.153	0.184	341	261	302	385	19.6	1320
150	0.124	0.149	383	296	348	442	21.5	1630
185	0.0991	0.1193	432	339	403	512	23.9	2015
240	0.0754	0.0911	500	399	481	613	27.0	2610
300	0.0601	0.0733	564	456	557	701	29.9	3250
400	0.0470	0.0577	638	523	648	819	33.4	4170
500	0.0366	0.0456	723	605	762	968	38.6	5315
630	0.0283	0.0362	807	683	869	1120	41.9	6685
800	0.0221	0.0293	891	762	984	1290	46.2	8525

Aluminium/pvc/pvc

Nominal Cross Sectional Area	Max Conductor Resistance		Current Carrying Capacity				Overall Diameter (approx.)	Overall Weight (approx.)
	at20 °C	AC at 70 °C	Ground		Air			
			Trefoil	Duct	Trefoil	Flat Spaced		
mm²	Ω/km	Ω/km	A	A	A	A	mm	kg/km
10	3.08	3.70	69	49	49	64	8.4	95
16	1.91	2.29	87	61	63	83	9.4	120
25	1.20	1.44	112	81	86	111	11.3	180
35	0.868	1.04	134	98	105	136	12.4	220
50	0.641	0.770	159	117	128	165	14.1	285
70	0.443	0.532	196	146	165	212	16.2	370
95	0.320	0.385	234	178	204	260	18.4	495
120	0.253	0.304	265	203	235	299	19.6	590
150	0.206	0.248	297	230	270	343	21.5	705
185	0.164	0.198	337	265	315	399	23.9	870
240	0.125	0.191	392	313	377	478	27.0	1105
300	0.100	0.121	444	359	438	547	29.9	1345
400	0.0778	0.0943	508	417	516	644	33.4	1700
500	0.0605	0.0738	585	490	617	766	38.6	2190
630	0.0469	0.0578	667	564	718	895	41.9	2705
800	0.0367	0.0459	753	644	832	1046	46.2	3350



LOW VOLTAGE CABLES

tow core cables, with stranded circular copper or Aluminium conductors,pvc insulated,and pvc sheathe

copper/pvc/pvc

Nominal Cross Sectional Area	Max Conductor Resistance		Current Carrying Capacity			Overall Diameter (approx.)	Overall Weight (approx.)
	at20° C	AC at 70° C	Ground	Duct	Air		
mm²	Ω/km	Ω/km	A	A	A	mm	kg/km
1.5 RM	12.1	14.60	36	25	22	9.3	130
2.5 RM	7.41	8.87	47	33	29	10.3	165
4 RM	4.61	5.54	62	42	39	12.2	235
6 RM	3.08	3.69	77	53	50	13.4	300
10 RM	1.83	2.19	101	73	68	15.6	435
16 RM	1.15	1.39	130	86	98	16.9	575
25 RM	0.727	0.870	166	114	121	21.1	905
35 RM	0.524	0.627	199	137	148	23.2	1155
50 RM	0.387	0.464	235	165	181	26.6	1525
70 RM	0.268	0.321	288	204	230	30.5	2100
95 RM	0.193	0.232	345	249	283	35.0	2835
120 RM	0.153	0.184	390	287	328	38.7	3465
150 RM	0.124	0.150	438	325	376	41.0	4190
185 RM	0.0991	0.1206	496	373	434	45.7	5195
240 RM	0.0754	0.0928	567	439	487	51.7	6750
300 RM	0.0601	0.0752	651	497	599	57.5	8375
400 RM	0.0470	0.0603	740	570	699	64.5	10715

Aluminium/pvc/pvc

Nominal Cross Sectional Area	Max Conductor Resistance		Current Carrying Capacity			Overall Diameter (approx.)	Overall Weight (approx.)
	at20° C	AC at 70° C	Ground	Duct	Air		
mm²	Ω/km	Ω/km	A	A	A	mm	kg/km
16 RM	1.91	2.30	101	68	76	16.9	375
25 RM	1.20	1.44	129	88	94	21.1	590
35 RM	0.868	1.04	154	106	115	23.2	720
50 RM	0.641	0.770	183	128	140	26.6	925
70 RM	0.443	0.533	224	158	178	30.5	1210
95 RM	0.320	0.385	268	191	219	35.0	1600
120 RM	0.253	0.305	303	221	254	38.7	1870
150 RM	0.206	0.249	340	249	291	41.0	2290
185 RM	0.164	0.198	385	287	336	45.7	2845
240 RM	0.125	0.152	441	338	386	51.7	3645
300 RM	0.100	0.122	506	386	463	57.5	4515
400 RM	0.0778	0.0961	581	447	542	64.5	5665



LOW VOLTAGE CABLES

three core cables, with stranded circular copper or Aluminium conductors,pvc insulated,and pvc sheathe



copper/pvc/pvc

Nominal Cross Sectional Area	Max Conductor Resistance		Current Carrying Capacity			Overall Diameter (approx.)	Overall Weight (approx.)
	DC at 20° C	AC at 70° C	Ground	Duct	Air		
mm ²	Ω/km	Ω/km	A	A	A	mm	kg/km
1.5 RM	12.1	14.60	28	20	19	9.9	145
2.5 RM	7.41	8.87	36	26	25	10.8	190
4 RM	4.61	5.54	47	35	34	12.9	280
6 RM	3.08	3.69	60	44	43	14.0	355
10 RM	1.83	2.19	78	58	58	16.0	475
16 RM	1.15	1.39	101	75	77	18.2	685
25 RM	0.727	0.870	130	98	102	22.4	1045
35 RM	0.524	0.627	157	118	125	24.6	1360
50 SM	0.387	0.464	190	137	153	25.9	1780
70 SM	0.268	0.321	235	168	197	29.0	2425
95 SM	0.193	0.232	274	203	231	33.5	3280
120 SM	0.153	0.184	313	235	268	36.6	4020
150 SM	0.124	0.150	352	266	309	40.6	4985
185 SM	0.0991	0.1206	398	303	356	44.9	6205
240 SM	0.0754	0.0928	462	353	425	50.6	8050
300 SM	0.0601	0.0752	524	404	491	55.8	9920
400 SM	0.0470	0.0603	599	466	576	61.7	12680

Aluminium/pvc/pvc

Nominal Cross Sectional Area	Max Conductor Resistance		Current Carrying Capacity			Overall Diameter (approx.)	Overall Weight (approx.)
	at20° C	AC at 70° C	Ground	Duct	Air		
mm ²	Ω/km	Ω/km	A	A	A	mm	kg/km
16 RM	1.91	2.30	79	58	60	18.2	385
25 RM	1.20	1.44	102	76	80	22.4	450
35 RM	0.868	1.04	123	91	98	24.6	700
50 SM	0.641	0.770	147	105	119	25.9	800
70 SM	0.443	0.533	183	131	153	29.0	1070
95 SM	0.320	0.385	213	158	179	33.5	1415
120 SM	0.253	0.305	243	182	209	36.6	1680
150 SM	0.206	0.249	273	206	239	40.6	2080
185 SM	0.164	0.198	310	237	277	44.9	2545
240 SM	0.125	0.152	360	277	331	50.6	3325
300 SM	0.100	0.122	408	317	382	55.8	4065
400 SM	0.0778	0.0961	470	370	452	61.7	5330

LOW VOLTAGE CABLES

four core cables, with stranded circular copper or Aluminium conductors,pvc insulated,and pvc sheathe

copper/pvc/pvc



Nominal Cross Sectional Area	Max Conductor Resistance		Current Carrying Capacity			Overall Diameter (approx.)	Overall Weight (approx.)
	DC at 20° C	AC at 70° C	Ground	Duct	Air		
mm ²	Ω/km	Ω/km	A	A	A	mm	kg/km
25 RM / 16 RM	0.727 / 1.15	0.870 / 1.38	131	99	103	23.9	1210
35 RM / 16 RM	0.524 / 1.15	0.627 / 1.38	158	119	126	25.8	1520
50 SM / 25 RM	0.387 / 0.727	0.464 / 0.870	190	138	156	28.2	1985
70 SM / 35 RM	0.268 / 0.524	0.321 / 0.627	235	169	200	31.5	2720
95 SM / 50 SM	0.193 / 0.387	0.232 / 0.464	281	204	243	36.2	3715
120 SM / 70 SM	0.153 / 0.268	0.184 / 0.321	320	236	282	39.6	4665
150 SM / 70 SM	0.124 / 0.268	0.150 / 0.321	359	267	322	43.7	5610
185 SM / 95 SM	0.0991 / 0.193	0.1206 / 0.232	407	304	372	48.3	7035
240 SM / 120 SM	0.0754 / 0.153	0.0928 / 0.184	472	354	443	54.3	9105
300 SM / 150 SM	0.0601 / 0.124	0.0752 / 0.150	536	405	516	60.2	11295
400 SM / 185 SM	0.0470 / 0.0991	0.0603 / 0.1206	610	467	599	68.0	14500

Aluminium/PVC/PVC

Nominal Cross Sectional Area	Max Conductor Resistance		Current Carrying Capacity			Overall Diameter (approx.)	Overall Weight (approx.)
	at 20° C	AC at 70° C	Ground	Duct	Air		
mm ²	Ω/km	Ω/km	A	A	A	mm	kg/km
25 RM / 16 RM	1.20 / 1.91	1.44 / 2.29	103	77	81	23.9	650
35 RM / 16 RM	0.868 / 1.91	1.04 / 2.29	124	92	99	25.8	785
50 SM / 25 RM	0.641 / 1.20	0.770 / 1.44	121	106	148	28.2	965
70 SM / 35 RM	0.443 / 0.868	0.533 / 1.04	155	132	183	31.5	1235
95 SM / 50 SM	0.320 / 0.641	0.385 / 0.770	188	159	218	36.2	1655
120 SM / 70 SM	0.253 / 0.443	0.305 / 0.533	219	183	249	39.6	2025
150 SM / 70 SM	0.206 / 0.443	0.249 / 0.533	250	207	278	43.7	2405
185 SM / 95 SM	0.164 / 0.320	0.198 / 0.385	289	238	316	48.3	2990
240 SM / 120 SM	0.125 / 0.253	0.152 / 0.305	345	278	368	54.3	3800
300 SM / 150 SM	0.100 / 0.206	0.122 / 0.249	402	318	418	60.2	4685
400 SM / 185 SM	0.0778 / 0.164	0.0961 / 0.198	479	371	470	68.0	5970