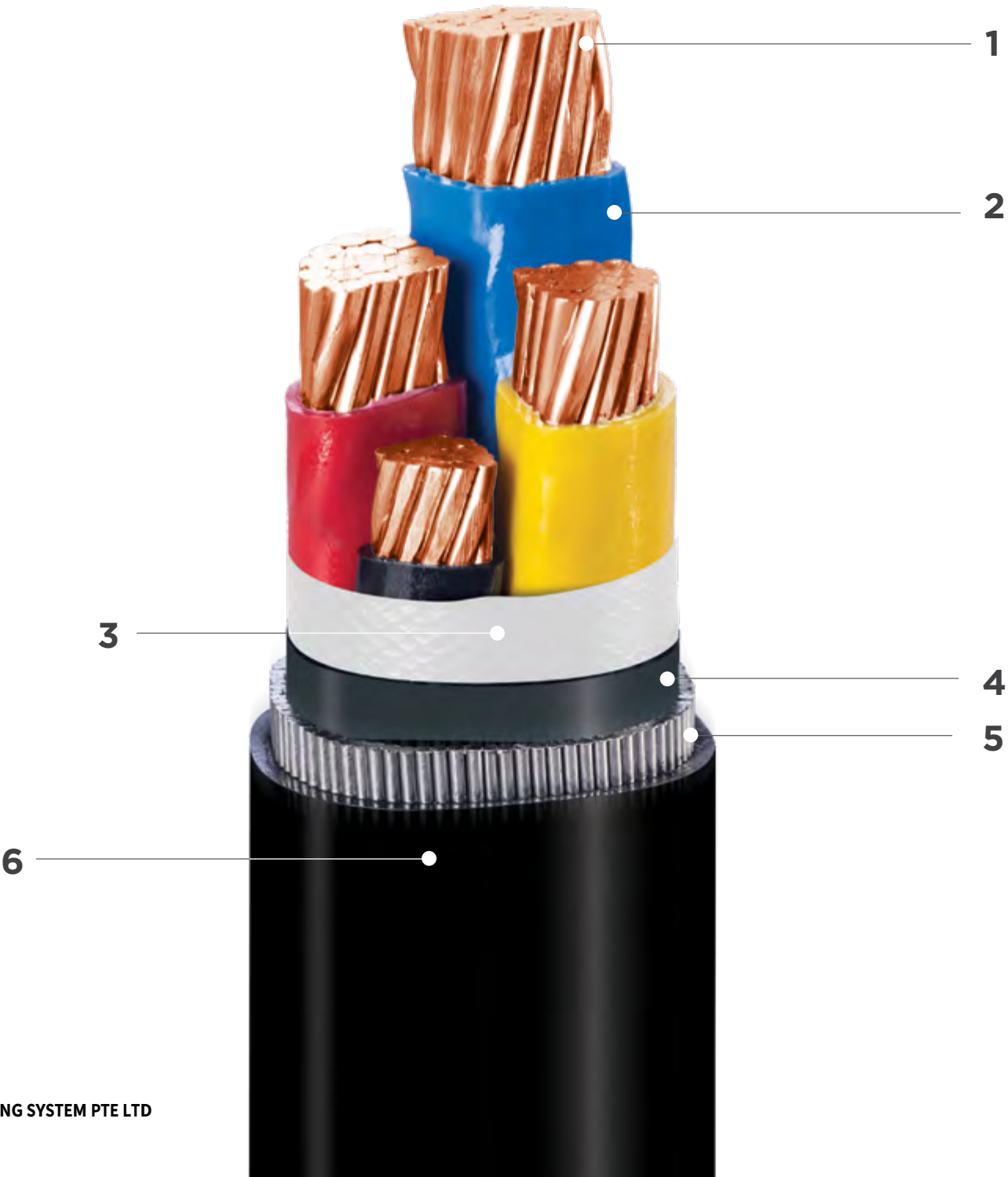


LOW
VOLTAGE
CABLES

Rated Voltages from 0.6/1 (1.2) kV to 1.8/3 (3.6) kV



CONSTRUCTION DETAILS:

1. Conductor:

Copper or Aluminium conductors, solid, stranded or flexible. Stranded conductors may be circular non-compacted, circular compacted or sectoral depending on the cable construction as per IEC 60228.

2. Insulation:

An extruded layer applied over the conductor of Cross Linked Polyethylene (XLPE) with operating temperature 90 °C or Polyvinyl Chloride (PVC) with operating temperature 70 °C.

3. Assembly:

For multi core cables, cores shall be assembled together, the spaces filled with non-hygroscopic filler suitable for the cable's operating temperature or achieved by extruding a filling layer to form a round cable then using suitable binder tape over the assembly of laid-up cores.

4. Bedding:

In case of armoured cables an extruded layer of PVC or PE is applied as bedding as per IEC 60502-1.

5. Armouring:

- Tape Armouring: double layer of Aluminium tapes in case of single core cables or steel tapes in case of multi core cables are applied helically.
- Wire Armouring: Aluminium wires in case of single core cables or galvanized steel wires in case of multi core cables are applied helically.

6. Sheath:

An extruded layer of PVC or PE is applied with thickness as specified in IEC 60502-1.

• Applicable Standards:

Low voltage power cables are designed as per IEC 60502-1, BS 5467 and BS 6724 standards.

Applications:

- For fixed installation, indoor and outdoor. These cables are also used for electrical energy distribution in urban networks, power or network stations and industrial plants.
- Armoured cables are used in applications where mechanical damages are anticipated.

LOW VOLTAGE CABLES

0.6/1 (1.2) kV

Single Core Cables, With Stranded Circular Copper or Aluminium Conductors, PVC Insulated, and PVC Sheathed

CU/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		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

AL/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		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

0.6/1 (1.2) kV
Single Core Cables, With Stranded Circular Copper or Aluminium Conductors, XLPE Insulated, and PVC Sheathed

CU/XLPE/PVC

Nominal Cross Sectional Area	Max Conductor Resistance		Current Carrying Capacity				Overall Diameter (approx.)	Overall Weight (approx.)
	DC at 20 °C	AC at 90 °C	Ground		Air			
			Trefoil	Duct	Trefoil	Flat Spaced		
mm²	Ω/km	Ω/km	A	A	A	A	mm	kg/km
1.5	12.1	15.43	36	25	24	33	5.3	40
2	9.05	11.54	43	30	29	40	5.6	45
2.5	7.41	9.45	47	33	32	44	5.8	50
3	6.03	7.69	52	36	36	49	6.0	60
4	4.61	5.88	61	42	43	59	6.3	70
6	3.08	3.93	76	53	55	75	7.0	95
10	1.83	2.33	101	70	75	102	7.8	140
16	1.15	1.47	131	92	100	134	8.8	200
25	0.727	0.927	168	121	136	180	10.7	305
35	0.524	0.672	201	146	167	221	11.7	405
50	0.387	0.494	238	175	205	268	13.3	535
70	0.268	0.343	293	219	264	343	15.6	750
95	0.193	0.247	350	266	326	421	17.4	1015
120	0.153	0.196	396	304	375	484	18.5	1240
150	0.124	0.159	445	346	434	556	20.7	1550
185	0.0991	0.127	503	396	504	644	22.9	1905
240	0.0754	0.0970	582	466	603	770	25.8	2470
300	0.0601	0.0777	656	532	698	890	28.4	3080
400	0.0470	0.0613	743	613	816	1042	31.9	3965
500	0.0366	0.0484	842	709	961	1235	37.0	5045
630	0.0283	0.0383	942	804	1101	1429	40.9	6435
800	0.0221	0.0309	1041	901	1249	1642	45.4	8260

AL/XLPE/PVC

Nominal Cross Sectional Area	Max Conductor Resistance		Current Carrying Capacity				Overall Diameter (approx.)	Overall Weight (approx.)
	DC at 20 °C	AC at 90° C	Ground		Air			
			Trefoil	Duct	Trefoil	Flat Spaced		
mm²	Ω/km	Ω/km	A	A	A	A	mm	kg/km
10	3.08	3.95	81	56	60	81	7.8	75
16	1.91	2.45	101	71	77	104	8.8	100
25	1.20	1.54	131	94	106	140	10.7	150
35	0.868	1.11	156	113	130	171	11.7	190
50	0.641	0.822	184	136	159	208	13.3	245
70	0.443	0.568	227	170	205	266	15.6	325
95	0.320	0.411	272	206	253	327	17.4	420
120	0.253	0.325	308	236	292	376	18.5	510
150	0.206	0.264	345	268	337	431	20.7	620
185	0.164	0.211	392	309	393	501	22.9	760
240	0.125	0.161	456	365	472	599	25.8	965
300	0.100	0.129	515	418	549	694	28.4	1175
400	0.0778	0.1006	591	488	649	818	31.9	1495
500	0.0605	0.0786	681	573	776	977	37.0	1925
630	0.0469	0.0615	775	661	905	1139	40.9	2455
800	0.0367	0.0488	876	758	1051	1329	45.4	3085



LOW VOLTAGE CABLES

0.6/1 (1.2) kV

Single Core Cables, With Stranded Circular Copper or Aluminium Conductors, PVC Insulated, Aluminium Tape Armored and PVC Sheathed

CU/PVC/ATA/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		Air			
			Trefoil	Duct	Trefoil	Flat Spaced		
mm²	Ω/km	Ω/km	A	A	A	A	mm	kg/km
50	0.387	0.463	200	156	174	218	18.4	745
70	0.268	0.321	247	194	221	276	20.5	990
95	0.193	0.232	295	234	271	337	22.8	1295
120	0.153	0.184	333	265	310	384	23.7	1530
150	0.124	0.150	373	300	355	438	25.9	1870
185	0.0991	0.1203	420	344	408	502	28.2	2270
240	0.0754	0.0925	484	400	484	592	31.3	2900
300	0.0601	0.0749	542	456	554	678	34.0	3550
400	0.0470	0.0600	603	522	633	781	38.1	4555
500	0.0366	0.0487	682	594	739	911	43.2	5730
630	0.0283	0.0400	751	671	831	1039	46.5	7130
800	0.0221	0.0338	809	745	918	1176	51.2	9020

AL/PVC/ATA/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		Air			
			Trefoil	Duct	Trefoil	Flat Spaced		
mm²	Ω/km	Ω/km	A	A	A	A	mm	kg/km
50	0.641	0.770	156	121	135	170	18.4	455
70	0.443	0.533	192	150	172	215	20.5	560
95	0.320	0.385	229	181	211	263	22.8	700
120	0.253	0.305	260	206	242	301	23.7	800
150	0.206	0.248	291	233	277	342	25.9	940
185	0.164	0.198	329	268	320	394	28.2	1130
240	0.125	0.152	382	315	381	467	31.3	1395
300	0.100	0.122	430	359	439	536	34.0	1650
400	0.0778	0.0958	490	417	513	623	38.1	2085
500	0.0605	0.0759	559	479	605	735	43.2	2610
630	0.0469	0.0605	629	549	695	849	46.5	3610
800	0.0367	0.0493	701	627	794	976	51.2	4365

LOW VOLTAGE CABLES

0.6/1 (1.2) kV

Single Core Cables, With Stranded Circular Copper or Aluminium Conductors, XLPE Insulated, Aluminium Tape Armored and PVC Sheathed

CU/XLPE/ATA/PVC

Nominal Cross Sectional Area	Max Conductor Resistance		Current Carrying Capacity				Overall Diameter (approx.)	Overall Weight (approx.)
	DC at 20 °C	AC at 90° C	Ground		Air			
			Trefoil	Duct	Trefoil	Flat Spaced		
mm²	Ω/km	Ω/km	A	A	A	A	mm	kg/km
50	0.387	0.494	238	182	217	274	17.4	690
70	0.268	0.342	292	226	277	347	19.9	935
95	0.193	0.247	350	272	340	423	21.7	1215
120	0.153	0.196	396	310	390	483	22.9	1460
150	0.124	0.156	444	351	448	551	25.0	1785
185	0.0991	0.1280	503	400	518	634	27.2	2160
240	0.0754	0.0984	583	468	617	750	30.1	2760
300	0.0601	0.0796	657	532	710	860	32.8	3395
400	0.0470	0.0637	745	610	827	993	36.7	4350
500	0.0366	0.0515	846	701	970	1160	41.9	5505
630	0.0283	0.0421	948	792	1108	1324	45.6	6915
800	0.0221	0.0353	1050	886	1256	1501	50.8	8820

AL/XLPE/ATA/PVC

Nominal Cross Sectional Area	Max Conductor Resistance		Current Carrying Capacity				Overall Diameter (approx.)	Overall Weight (approx.)
	DC at 20 °C	AC at 90° C	Ground		Air			
			Trefoil	Duct	Trefoil	Flat Spaced		
mm²	Ω/km	Ω/km	A	A	A	A	mm	kg/km
50	0.641	0.822	184	141	169	213	17.4	400
70	0.443	0.568	227	176	215	270	19.9	510
95	0.320	0.412	271	221	264	329	21.7	625
120	0.253	0.325	308	241	303	377	22.9	725
150	0.206	0.265	345	273	348	431	25.0	860
185	0.164	0.211	392	312	404	497	27.2	1015
240	0.125	0.162	456	366	482	590	30.1	1250
300	0.100	0.130	516	417	557	678	32.8	1490
400	0.0778	0.1021	591	483	655	791	36.7	1880
500	0.0605	0.0807	679	563	778	933	41.9	2380
630	0.0469	0.0641	771	645	902	1078	45.6	2930
800	0.0367	0.0521	870	734	1040	1239	50.8	3640



LOW VOLTAGE CABLES

0.6/1 (1.2) kV

Single Core Cables, With Stranded Circular Copper or Aluminium Conductors, PVC Insulated, Aluminium Wire Armored and PVC Sheathed

CU/PVC/AWA/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		Air			
			Trefoil	Duct	Trefoil	Flat Spaced		
mm²	Ω/km	Ω/km	A	A	A	A	mm	kg/km
50	0.387	0.463	206	159	180	223	19.3	795
70	0.268	0.321	254	197	228	283	21.3	1035
95	0.193	0.232	304	237	279	344	23.6	1350
120	0.153	0.184	344	271	323	396	25.4	1655
150	0.124	0.150	386	306	369	450	27.4	1990
185	0.0991	0.1203	436	348	426	516	29.8	2405
240	0.0754	0.0924	505	407	505	608	32.9	3045
300	0.0601	0.0746	569	464	584	695	36.6	3815
400	0.0470	0.0597	644	531	677	800	40.5	4820
500	0.0366	0.0484	731	609	790	932	45.5	6030
630	0.0283	0.0396	817	685	899	1059	49.0	7470
800	0.0221	0.0332	904	767	1022	1184	54.8	9590



AL/PVC/AWA/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		Air			
			Trefoil	Duct	Trefoil	Flat Spaced		
mm²	Ω/km	Ω/km	A	A	A	A	mm	kg/km
50	0.641	0.770	160	123	140	174	19.3	500
70	0.443	0.533	197	153	177	220	21.3	610
95	0.320	0.385	236	184	217	268	23.6	760
120	0.253	0.305	268	211	252	309	25.4	920
150	0.206	0.248	300	238	287	351	27.4	1065
185	0.164	0.198	340	272	332	404	29.8	1260
240	0.125	0.152	395	319	395	478	32.9	1540
300	0.100	0.122	447	364	459	550	36.6	1910
400	0.0778	0.0957	511	421	537	638	40.5	2355
500	0.0605	0.0756	587	489	634	751	45.5	2910
630	0.0469	0.0602	666	559	733	865	49.0	3490
800	0.0367	0.0489	750	636	847	987	54.8	4410

LOW VOLTAGE CABLES

0.6/1 (1.2) kV

Single Core Cables, With Stranded Circular Copper or Aluminium Conductors, XLPE Insulated, Aluminium Wire Armored and PVC Sheathed

CU/XLPE/AWA/PVC

Nominal Cross Sectional Area	Max Conductor Resistance		Current Carrying Capacity				Overall Diameter (approx.)	Overall Weight (approx.)
	DC at 20 °C	AC at 90° C	Ground		Air			
			Trefoil	Duct	Trefoil	Flat Spaced		
mm²	Ω/km	Ω/km	A	A	A	A	mm	kg/km
50	0.387	0.494	240	185	224	281	18.4	745
70	0.268	0.342	295	229	284	355	20.7	985
95	0.193	0.247	353	276	348	433	22.6	1270
120	0.153	0.196	400	316	404	498	24.6	1580
150	0.124	0.156	449	358	462	568	26.6	1900
185	0.0991	0.1280	507	407	533	652	28.9	2305
240	0.0754	0.0983	587	476	633	770	31.8	2915
300	0.0601	0.0794	661	541	728	884	34.3	3545
400	0.0470	0.0634	751	623	852	1017	39.2	4630
500	0.0366	0.0512	852	716	998	1189	44.3	5800
630	0.0283	0.0417	955	809	1140	1363	48.0	7235
800	0.0221	0.0347	1057	907	1297	1512	54.4	9385

AL/XLPE/AWA/PVC

Nominal Cross Sectional Area	Max Conductor Resistance		Current Carrying Capacity				Overall Diameter (approx.)	Overall Weight (approx.)
	DC at 20 °C	AC at 90° C	Ground		Air			
			Trefoil	Duct	Trefoil	Flat Spaced		
mm²	Ω/km	Ω/km	A	A	A	A	mm	kg/km
50	0.641	0.822	186	143	174	218	18.4	450
70	0.443	0.568	229	178	221	276	20.7	560
95	0.320	0.412	274	214	270	337	22.6	680
120	0.253	0.325	311	246	314	389	24.6	850
150	0.206	0.265	349	278	359	443	26.6	975
185	0.164	0.211	395	318	416	510	28.9	1160
240	0.125	0.162	459	372	495	605	31.8	1410
300	0.100	0.130	518	424	571	696	34.3	1640
400	0.0778	0.1019	594	493	674	810	39.2	2160
500	0.0605	0.0805	682	573	799	956	44.3	2680
630	0.0469	0.0639	775	656	925	1106	48.0	3250
800	0.0367	0.0516	873	749	1071	1254	54.4	4210



LOW VOLTAGE CABLES

0.6/1 (1.2) kV

Two Core Cables, With Stranded Circular Copper or Aluminium Conductors, PVC Insulated, and PVC Sheathed

CU/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	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

AL/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
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

0.6/1 (1.2) kV
Two Core Cables, With Stranded Circular Copper or Aluminium Conductors,
XLPE Insulated, and PVC Sheathed

CU/XLPE/PVC

Nominal Cross Sectional Area	Max Conductor Resistance		Current Carrying Capacity			Overall Diameter (approx.)	Overall Weight (approx.)
	DC at 20° C	AC at 90° C	Ground	Duct	Air		
mm²	Ω/km	Ω/km	A	A	A	mm	kg/km
1.5 RM	12.1	14.60	41	31	28	8.9	115
2.5 RM	7.41	8.87	50	39	38	9.9	150
4 RM	4.61	5.54	68	49	52	11.1	190
6 RM	3.08	3.69	86	64	67	12.2	255
10 RM	1.83	2.19	112	85	89	14.3	370
16 RM	1.15	1.39	144	102	118	15.7	510
25 RM	0.727	0.927	188	133	154	19.2	780
35 RM	0.524	0.669	227	162	189	22.0	1050
50 RM	0.387	0.494	276	193	230	24.9	1365
70 RM	0.268	0.343	337	236	286	29.0	1420
95 RM	0.193	0.247	405	288	357	32.8	2585
120 RM	0.153	0.196	463	336	419	36.9	3255
150 RM	0.124	0.160	519	378	478	39.3	3975
185 RM	0.0991	0.1284	590	438	560	43.9	4920
240 RM	0.0754	0.0988	682	513	663	49.6	6400
300 RM	0.0601	0.0799	767	582	757	54.8	7890
400 RM	0.0470	0.0641	872	673	884	62.0	10170

AL/XLPE/PVC

Nominal Cross Sectional Area	Max Conductor Resistance		Current Carrying Capacity			Overall Diameter (approx.)	Overall Weight (approx.)
	DC at 20° C	AC at 90° C	Ground	Duct	Air		
mm²	Ω/km	Ω/km	A	A	A	mm	kg/km
16 RM	1.91	2.45	113	79	89	15.7	335
25 RM	1.20	1.54	146	103	119	19.2	495
35 RM	0.868	1.11	176	126	147	22.0	620
50 RM	0.641	0.822	209	151	179	24.9	795
70 RM	0.443	0.568	257	188	227	29.0	1085
95 RM	0.320	0.411	307	227	278	32.8	1390
120 RM	0.253	0.325	350	262	324	36.9	1675
150 RM	0.206	0.265	392	297	370	39.3	2075
185 RM	0.164	0.212	444	340	428	43.9	2570
240 RM	0.125	0.162	516	402	509	49.6	3290
300 RM	0.100	0.130	585	462	589	54.8	4030
400 RM	0.0778	0.1023	670	536	688	62.0	5125



LOW
VOLTAGE
CABLES

0.6/1 (1.2) kV
Two Core Cables, With Stranded Circular Copper or Aluminium Conductors,
PVC Insulated, Steel Tape Armoured, and PVC Sheathed

CU/PVC/STA/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		
mm²	Ω/km	Ω/km	A	A	A	mm	kg/km
6 RM	3.08	3.69	69	53	51	17.1	505
10 RM	1.83	2.19	90	73	67	19.2	665
16 RM	1.15	1.39	117	86	89	20.6	830
25 RM	0.727	0.870	150	114	118	24.1	1170
35 RM	0.524	0.627	181	138	145	26.2	1450
50 RM	0.387	0.464	225	167	180	29.5	1880
70 RM	0.268	0.321	275	203	222	33.4	2510
95 RM	0.193	0.232	329	250	276	38.5	3360
120RM	0.153	0.184	379	290	325	43.5	4485
150 RM	0.124	0.150	425	328	370	45.5	5195
185 RM	0.0991	0.1206	481	375	429	51.5	6475
240 RM	0.0754	0.0928	556	440	506	56.1	8060
300 RM	0.0601	0.0752	621	496	573	63.3	10020
400 RM	0.0470	0.0603	704	570	663	69.8	12540



AL/PVC/STA/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		
mm²	Ω/km	Ω/km	A	A	A	mm	kg/km
16 RM	1.91	2.30	90	68	69	20.6	630
25 RM	1.20	1.44	116	89	91	24.1	855
35 RM	0.868	1.04	141	107	112	26.2	1020
50 RM	0.641	0.770	167	129	136	29.5	1260
70 RM	0.443	0.533	206	160	172	33.4	1630
95 RM	0.320	0.385	244	192	208	38.5	2165
120RM	0.253	0.305	280	224	245	43.5	2965
150 RM	0.206	0.249	314	253	278	45.5	3320
185 RM	0.164	0.198	355	289	320	51.5	4130
240 RM	0.125	0.152	412	339	378	56.1	4930
300 RM	0.100	0.122	467	388	435	63.3	6150
400 RM	0.0778	0.0961	533	449	505	69.8	7500

LOW
VOLTAGE
CABLES

0.6/1 (1.2) kV
Two Core Cables, With Stranded Circular Copper or Aluminium Conductors,
XLPE Insulated, Steel Tape Armoured, and PVC Sheathed

CU/XLPE/STA/PVC

Nominal Cross Sectional Area	Max Conductor Resistance		Current Carrying Capacity			Overall Diameter (approx.)	Overall Weight (approx.)
	DC at 20° C	AC at 90° C	Ground	Duct	Air		
mm²	Ω/km	Ω/km	A	A	A	mm	kg/km
6 RM	3.08	3.69	81	64	65	15.9	435
10 RM	1.83	2.19	107	85	86	18.0	590
16 RM	1.15	1.39	138	103	113	19.4	750
25 RM	0.727	0.927	179	135	149	22.9	1065
35 RM	0.524	0.669	217	162	183	24.9	1335
50 RM	0.387	0.494	264	193	222	27.8	1705
70 RM	0.268	0.343	320	237	275	32.1	2310
95 RM	0.193	0.247	385	289	341	36.3	3045
120RM	0.153	0.196	443	339	405	41.6	4200
150 RM	0.124	0.160	497	381	461	43.9	4900
185 RM	0.0991	0.1284	563	440	537	49.6	6125
240 RM	0.0754	0.0988	650	513	632	54.0	7610
300 RM	0.0601	0.0799	728	580	719	60.8	9405
400 RM	0.0470	0.0641	827	669	836	67.0	11840

AL/XLPE/STA/PVC

Nominal Cross Sectional Area	Max Conductor Resistance		Current Carrying Capacity			Overall Diameter (approx.)	Overall Weight (approx.)
	DC at 20° C	AC at 90° C	Ground	Duct	Air		
mm²	Ω/km	Ω/km	A	A	A	mm	kg/km
16 RM	1.91	2.45	108	80	86	19.4	550
25 RM	1.20	1.54	140	105	115	22.9	750
35 RM	0.868	1.11	168	126	142	24.9	900
50 RM	0.641	0.822	200	151	173	27.8	1115
70 RM	0.443	0.568	246	189	218	32.1	1470
95 RM	0.320	0.411	294	229	267	36.3	1880
120RM	0.253	0.325	337	265	313	41.6	2680
150 RM	0.206	0.265	376	299	356	43.9	3020
185 RM	0.164	0.212	426	344	411	49.6	3780
240 RM	0.125	0.162	495	403	487	54.0	4480
300 RM	0.100	0.130	560	462	562	60.8	5540
400 RM	0.0778	0.1023	640	535	654	67.0	6800



LOW VOLTAGE CABLES

0.6/1 (1.2) kV

Two Core Cables, With Stranded Circular Copper or Aluminium Conductors, PVC Insulated, Steel Wire Armoured, and PVC Sheathed

CU/PVC/SWA/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
6 RM	3.08	3.69	70	54	52	18.8	770
10 RM	1.83	2.19	90	75	69	21	980
16 RM	1.15	1.39	118	88	92	22.4	1135
25 RM	0.727	0.870	151	117	122	26.6	1705
35 RM	0.524	0.627	182	141	149	28.6	2030
50 RM	0.387	0.464	227	171	185	32.1	2545
70 RM	0.268	0.321	278	211	231	36.9	3480
95 RM	0.193	0.232	333	255	284	42	4530
120RM	0.153	0.184	380	293	331	45.7	5355
150 RM	0.124	0.150	426	332	378	50.5	6770
185 RM	0.0991	0.1206	479	380	435	55.6	8245
240 RM	0.0754	0.0928	552	440	510	60.8	10030
300 RM	0.0601	0.0752	614	494	574	67.5	12185
400 RM	0.0470	0.0603	690	562	659	74	14900

AL/PVC/SWA/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
16 RM	1.91	2.30	91	70	71	22.4	945
25 RM	1.20	1.44	117	91	95	26.6	1365
35 RM	0.868	1.04	142	110	115	28.6	1590
50 RM	0.641	0.770	168	131	140	32.1	1945
70 RM	0.443	0.533	208	163	177	36.9	2640
95 RM	0.320	0.385	246	196	214	42.0	3520
120RM	0.253	0.305	281	225	248	45.7	3835
150 RM	0.206	0.249	315	256	283	50.5	4890
185 RM	0.164	0.198	355	291	324	55.6	5900
240 RM	0.125	0.152	410	340	380	60.8	6855
300 RM	0.100	0.122	463	387	435	67.5	8315
400 RM	0.0778	0.0961	525	444	502	74.0	9860

LOW
VOLTAGE
CABLES

0.6/1 (1.2) kV
Two Core Cables, With Stranded Circular Copper or Aluminium Conductors,
XLPE Insulated, Steel Wire Armoured, and PVC Sheathed

CU/XLPE/SWA/PVC

Nominal Cross Sectional Area	Max Conductor Resistance		Current Carrying Capacity			Overall Diameter (approx.)	Overall Weight (approx.)
	DC at 20° C	AC at 90° C	Ground	Duct	Air		
mm²	Ω/km	Ω/km	A	A	A	mm	kg/km
6 RM	3.08	3.69	83	67	68	16.7	550
10 RM	1.83	2.19	108	88	89	19.8	865
16 RM	1.15	1.39	139	106	118	21.1	1040
25 RM	0.727	0.927	181	139	155	25.3	1555
35 RM	0.524	0.669	219	166	190	27.4	1890
50 RM	0.387	0.494	266	198	230	30.3	2310
70 RM	0.268	0.343	322	243	284	34.8	3060
95 RM	0.193	0.247	390	297	354	39.8	4150
120RM	0.153	0.196	444	341	413	43.9	5040
150 RM	0.124	0.160	497	385	468	47.0	5980
185 RM	0.0991	0.1284	563	444	546	54.0	7830
240 RM	0.0754	0.0988	647	515	639	57.7	9445
300 RM	0.0601	0.0799	724	580	726	64.7	11470
400 RM	0.0470	0.0641	814	662	833	72.1	14145

AL/XLPE/SWA/PVC

Nominal Cross Sectional Area	Max Conductor Resistance		Current Carrying Capacity			Overall Diameter (approx.)	Overall Weight (approx.)
	DC at 20° C	AC at 90° C	Ground	Duct	Air		
mm²	Ω/km	Ω/km	A	A	A	mm	kg/km
16 RM	1.91	2.45	110	82	90	21.1	840
25 RM	1.20	1.54	142	108	120	25.3	1240
35 RM	0.868	1.11	170	129	147	27.4	1450
50 RM	0.641	0.822	202	155	179	30.3	1745
70 RM	0.443	0.568	247	193	224	34.8	2205
95 RM	0.320	0.411	297	233	275	39.8	3005
120RM	0.253	0.325	338	268	318	43.9	3540
150 RM	0.206	0.265	377	302	361	47.0	4100
185 RM	0.164	0.212	426	347	417	54.0	5485
240 RM	0.125	0.162	494	405	492	57.7	6315
300 RM	0.100	0.130	557	462	564	64.7	7600
400 RM	0.0778	0.1023	632	531	653	72.1	9105



LOW VOLTAGE CABLES

0.6/1 (1.2) kV

Three Core Cables, With Stranded Circular Copper or Aluminium Conductors, PVC Insulated, and PVC Sheathed

CU/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

AL/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
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

0.6/1 (1.2) kV
Three Core Cables, With Stranded Circular Copper or Aluminium Conductors,
XLPE Insulated, and PVC Sheathed

CU/XLPE/PVC

Nominal Cross Sectional Area	Max Conductor Resistance		Current Carrying Capacity			Overall Diameter (approx.)	Overall Weight (approx.)
	DC at 20° C	AC at 90° C	Ground	Duct	Air		
mm²	Ω/km	Ω/km	A	A	A	mm	kg/km
1.5 RM	12.1	14.60	32	24	23	9.9	125
2.5 RM	7.41	8.87	42	31	31	10.3	165
4 RM	4.61	5.54	56	41	41	11.5	230
6 RM	3.08	3.69	70	51	53	12.7	300
10 RM	1.83	2.19	93	68	72	14.6	425
16 RM	1.15	1.39	120	88	95	16.9	620
25 RM	0.727	0.927	155	115	128	21.0	955
35 RM	0.524	0.669	186	132	158	23.3	1260
50 SM	0.387	0.494	222	159	190	24.2	1630
70 SM	0.268	0.343	275	197	246	27.8	2275
95 SM	0.193	0.247	324	238	289	31.2	3035
120 SM	0.153	0.196	367	274	336	34.7	3775
150 SM	0.124	0.160	413	312	387	38.9	4705
185 SM	0.0991	0.1284	468	355	448	43.1	5855
240 SM	0.0754	0.0988	543	416	534	48.3	7595
300 SM	0.0601	0.0799	615	474	617	53.1	9355
400 SM	0.0470	0.0641	700	547	719	59.0	12030

AL/XLPE/PVC

Nominal Cross Sectional Area	Max Conductor Resistance		Current Carrying Capacity			Overall Diameter (approx.)	Overall Weight (approx.)
	DC at 20° C	AC at 90° C	Ground	Duct	Air		
mm²	Ω/km	Ω/km	A	A	A	mm	kg/km
16 RM	1.91	2.45	84	64	67	16.9	325
25 RM	1.20	1.54	120	84	100	21.0	480
35 RM	0.868	1.11	144	107	122	23.3	605
50 SM	0.641	0.822	172	124	147	24.2	670
70 SM	0.443	0.568	214	153	191	27.8	920
95 SM	0.320	0.411	251	185	223	31.2	1185
120 SM	0.253	0.325	285	213	261	34.7	1460
150 SM	0.206	0.265	320	242	300	38.9	1820
185 SM	0.164	0.212	364	277	348	43.1	2215
240 SM	0.125	0.162	422	325	415	48.3	2880
300 SM	0.100	0.130	478	373	480	53.1	3520
400 SM	0.0778	0.1023	548	434	563	59.0	4675



LOW VOLTAGE CABLES

0.6/1 (1.2) kV

Three Core Cables, With Stranded Circular Copper or Aluminium Conductors, PVC Insulated, Steel Tape Armoured and PVC Sheathed

CU/PVC/STA/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
6 RM	3.08	3.69	55	43	44	16.5	520
10 RM	1.83	2.19	77	58	59	18.5	660
16 RM	1.15	1.39	99	76	78	20.7	895
25 RM	0.727	0.870	114	91	93	24.9	1300
35 RM	0.524	0.627	137	109	112	27.1	1640
50 SM	0.387	0.464	192	143	158	29.0	2090
70 SM	0.268	0.321	236	177	199	32.6	2805
95 SM	0.193	0.232	283	216	245	38.3	4055
120 SM	0.153	0.184	324	247	288	41.3	4860
150 SM	0.124	0.150	364	280	329	45.7	5960
185 SM	0.0991	0.1206	411	318	379	50.1	7220
240 SM	0.0754	0.0928	477	375	450	56.1	9250
300 SM	0.0601	0.0752	539	425	518	61.4	11245
400 SM	0.0470	0.0603	616	494	605	67.6	14050

AL/PVC/STA/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
16 RM	1.91	2.30	77	58	60	20.7	590
25 RM	1.20	1.44	88	70	72	24.9	820
35 RM	0.868	1.04	106	84	87	27.1	975
50 SM	0.641	0.770	149	111	123	29.0	1215
70 SM	0.443	0.533	183	138	155	32.6	1520
95 SM	0.320	0.385	219	168	190	38.3	2290
120 SM	0.253	0.305	252	193	224	41.3	2655
150 SM	0.206	0.249	282	218	256	45.7	3160
185 SM	0.164	0.198	320	249	295	50.1	3760
240 SM	0.125	0.152	372	293	351	56.1	4675
300 SM	0.100	0.122	422	335	405	61.4	6425
400 SM	0.0778	0.0961	485	392	477	68.0	7110

LOW
VOLTAGE
CABLES

0.6/1 (1.2) kV
Three Core Cables, With Stranded Circular Copper or Aluminium Conductors,
XLPE Insulated, Steel Tape Armoured and PVC Sheathed

CU/XLPE/STA/PVC

Nominal Cross Sectional Area	Max Conductor Resistance		Current Carrying Capacity			Overall Diameter (approx.)	Overall Weight (approx.)
	DC at 20° C	AC at 90° C	Ground	Duct	Air		
mm²	Ω/km	Ω/km	A	A	A	mm	kg/km
6 RM	3.08	3.69	68	51	53	15.6	450
10 RM	1.83	2.19	90	67	72	17.5	595
16 RM	1.15	1.39	106	82	89	19.8	815
25 RM	0.727	0.927	151	115	130	23.9	1195
35 RM	0.524	0.669	182	138	160	26.2	1525
50 SM	0.387	0.494	224	168	196	27.3	1950
70 SM	0.268	0.343	276	207	248	31.4	2670
95 SM	0.193	0.247	333	250	306	35.0	3495
120 SM	0.153	0.196	380	289	360	39.4	4575
150 SM	0.124	0.160	426	328	412	44.1	5640
185 SM	0.0991	0.1284	483	374	476	48.2	6825
240 SM	0.0754	0.0988	559	435	564	53.9	8745
300 SM	0.0601	0.0799	632	497	647	58.9	10645
400 SM	0.0470	0.0641	719	574	763	65.096	13392

AL/XLPE/STA/PVC

Nominal Cross Sectional Area	Max Conductor Resistance		Current Carrying Capacity			Overall Diameter (approx.)	Overall Weight (approx.)
	DC at 20° C	AC at 90° C	Ground	Duct	Air		
mm²	Ω/km	Ω/km	A	A	A	mm	kg/km
16 RM	1.91	2.45	83	65	69	19.8	520
25 RM	1.20	1.54	119	90	101	23.9	720
35 RM	0.868	1.11	143	108	124	26.2	870
50 SM	0.641	0.822	174	130	152	27.3	1075
70 SM	0.443	0.568	214	161	193	31.4	1385
95 SM	0.320	0.411	258	194	237	35.0	1725
120 SM	0.253	0.325	295	225	280	39.4	2365
150 SM	0.206	0.265	330	255	319	44.1	2840
185 SM	0.164	0.212	376	292	370	48.2	3365
240 SM	0.125	0.162	436	341	439	53.9	4170
300 SM	0.100	0.130	493	391	506	58.9	4970
400 SM	0.0778	0.1023	565	456	600	65.1	5935



LOW VOLTAGE CABLES

0.6/1 (1.2) kV

Three Core Cables, With Stranded Circular Copper or Aluminium Conductors, PVC Insulated, Steel Wire Armoured and PVC Sheathed

CU/PVC/SWA/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
6 RM	3.08	3.69	53	42	41	18.6	790
10 RM	1.83	2.19	78	59	61	20.6	970
16 RM	1.15	1.39	101	77	80	22.8	1235
25 RM	0.727	0.870	116	93	95	27.8	1870
35 RM	0.524	0.627	138	111	115	30.0	2265
50 SM	0.387	0.464	192	146	161	31.6	2760
70 SM	0.268	0.321	236	181	203	36.1	3805
95 SM	0.193	0.232	283	218	249	40.3	4830
120 SM	0.153	0.184	322	250	289	43.3	5695
150 SM	0.124	0.150	361	283	330	49.0	7330
185 SM	0.0991	0.1206	406	320	378	53.4	8775
240 SM	0.0754	0.0928	467	372	443	59.4	10985
300 SM	0.0601	0.0752	524	420	506	64.7	13140
400 SM	0.0470	0.0603	587	483	586	70.9	16155



AL/PVC/SWA/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
16 RM	1.91	2.30	79	60	62	22.8	955
25 RM	1.20	1.44	90	72	74	27.8	1395
35 RM	0.868	1.04	107	86	89	30.0	1595
50 SM	0.641	0.770	149	113	125	31.6	1885
70 SM	0.443	0.533	184	141	158	36.1	2520
95 SM	0.320	0.385	220	170	194	40.3	3060
120 SM	0.253	0.305	251	195	225	43.3	3490
150 SM	0.206	0.249	281	221	258	49.0	4530
185 SM	0.164	0.198	318	251	296	53.4	5320
240 SM	0.125	0.152	368	294	349	59.4	6415
300 SM	0.100	0.122	415	333	401	64.7	7470
400 SM	0.0778	0.0961	473	385	471	70.9	8690

LOW VOLTAGE CABLES

0.6/1 (1.2) kV

Three Core Cables, With Stranded Circular Copper or Aluminium Conductors, XLPE Insulated, Steel Wire Armoured and PVC Sheathed

CU/XLPE/SWA/PVC

Nominal Cross Sectional Area	Max Conductor Resistance		Current Carrying Capacity			Overall Diameter (approx.)	Overall Weight (approx.)
	DC at 20° C	AC at 90° C	Ground	Duct	Air		
mm ²	Ω/km	Ω/km	A	A	A	mm	kg/km
6 RM	3.08	3.69	69	52	55	16.6	600
10 RM	1.83	2.19	93	69	76	19.3	875
16 RM	1.15	1.39	109	81	92	21.5	1135
25 RM	0.727	0.927	156	119	135	26.4	1735
35 RM	0.524	0.669	187	143	165	28.6	2120
50 SM	0.387	0.494	225	170	201	29.8	2540
70 SM	0.268	0.343	276	211	254	34.6	3585
95 SM	0.193	0.247	331	255	311	38.3	4505
120 SM	0.153	0.196	377	292	360	41.7	5390
150 SM	0.124	0.160	422	331	413	47.4	6960
185 SM	0.0991	0.1284	548	376	471	51.5	8330
240 SM	0.0754	0.0988	547	437	557	57.1	10415
300 SM	0.0601	0.0799	614	494	636	62.2	12465
400 SM	0.0470	0.0641	694	565	739	68.4	14928



AL/XLPE/SWA/PVC

Nominal Cross Sectional Area	Max Conductor Resistance		Current Carrying Capacity			Overall Diameter (approx.)	Overall Weight (approx.)
	DC at 20° C	AC at 90° C	Ground	Duct	Air		
mm ²	Ω/km	Ω/km	A	A	A	mm	kg/km
16 RM	1.91	2.45	84	66	71	21.5	835
25 RM	1.20	1.54	121	92	105	26.4	1265
35 RM	0.868	1.11	145	111	128	28.6	1465
50 SM	0.641	0.822	175	132	156	29.8	1660
70 SM	0.443	0.568	215	164	197	34.6	2295
95 SM	0.320	0.411	257	198	241	38.3	2740
120 SM	0.253	0.325	293	227	281	41.7	4100
150 SM	0.206	0.265	328	258	322	47.4	4165
185 SM	0.164	0.212	371	295	368	51.5	4870
240 SM	0.125	0.162	431	344	438	57.1	5845
300 SM	0.100	0.130	486	391	503	62.2	6735
400 SM	0.0778	0.1023	556	455	592	68.4	7950

LOW VOLTAGE CABLES

0.6/1 (1.2) kV

Four Core Cables With Reduced Neutral, With Stranded Circular Copper or Aluminium Conductors, PVC Insulated, and PVC Sheathed

CU/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



AL/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	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

LOW VOLTAGE CABLES

0.6/1 (1.2) kV

Four Core Cables With Reduced Neutral, With Stranded Circular Copper or Aluminium Conductors, XLPE Insulated, and PVC Sheathed

CU/XLPE/PVC

Nominal Cross Sectional Area	Max Conductor Resistance		Current Carrying Capacity			Overall Diameter (approx.)	Overall Weight (approx.)
	DC at 20° C	AC at 90° C	Ground	Duct	Air		
mm ²	Ω/km	Ω/km	A	A	A	mm	kg/km
25 RM / 16 RM	0.727 / 1.15	0.927 / 1.47	156	116	129	22.4	1115
35 RM / 16 RM	0.524 / 1.15	0.669 / 1.47	187	133	159	24.2	1415
50 SM / 25 RM	0.387 / 0.727	0.494 / 0.927	224	160	194	26.0	1825
70 SM / 35 RM	0.268 / 0.524	0.343 / 0.669	277	198	249	29.8	2555
95 SM / 50 SM	0.193 / 0.387	0.247 / 0.494	319	239	301	33.6	3460
120 SM / 70 SM	0.153 / 0.268	0.196 / 0.343	373	275	351	37.5	4405
150 SM / 70 SM	0.124 / 0.268	0.160 / 0.343	418	313	401	41.3	5310
185 SM / 95 SM	0.0991 / 0.193	0.1284 / 0.247	475	356	466	46.2	6645
240 SM / 120 SM	0.0754 / 0.153	0.0988 / 0.196	551	417	554	51.5	8615
300 SM / 150 SM	0.0601 / 0.124	0.0799 / 0.160	625	475	640	56.9	10685
400 SM / 185 SM	0.0470 / 0.0991	0.0641 / 0.1284	711	548	748	64.7	13775



AL/XLPE/PVC

Nominal Cross Sectional Area	Max Conductor Resistance		Current Carrying Capacity			Overall Diameter (approx.)	Overall Weight (approx.)
	DC at 20° C	AC at 90° C	Ground	Duct	Air		
mm ²	Ω/km	Ω/km	A	A	A	mm	kg/km
25 RM / 16 RM	1.20 / 1.91	1.54 / 2.45	121	85	101	22.4	550
35 RM / 16 RM	0.868 / 1.91	1.11 / 2.45	145	108	123	24.2	670
50 SM / 25 RM	0.641 / 1.20	0.822 / 1.54	174	125	150	26.0	790
70 SM / 35 RM	0.443 / 0.868	0.568 / 1.11	215	154	193	29.8	1055
95 SM / 50 SM	0.320 / 0.641	0.411 / 0.822	255	186	233	33.6	1400
120 SM / 70 SM	0.253 / 0.443	0.325 / 0.568	290	214	272	37.5	1765
150 SM / 70 SM	0.206 / 0.443	0.265 / 0.568	324	243	311	41.3	2085
185 SM / 95 SM	0.164 / 0.320	0.212 / 0.411	369	278	362	46.2	2615
240 SM / 120 SM	0.125 / 0.253	0.162 / 0.325	429	326	431	51.5	3310
300 SM / 150 SM	0.100 / 0.206	0.130 / 0.265	511	374	524	56.9	4080
400 SM / 185 SM	0.0778 / 0.164	0.1023 / 0.212	556	435	588	64.7	5245

LOW VOLTAGE CABLES

0.6/1 (1.2) kV

Four Core Cables With Reduced Neutral, With Stranded Circular Copper or Aluminium Conductors, PVC Insulated, Steel Tape Armoured, and PVC Sheathed

CU/PVC/STA/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	115	92	94	26.5	1480
35 RM / 16 RM	0.524 / 1.15	0.627 / 1.38	138	110	113	28.3	1810
50 SM / 25 RM	0.387 / 0.727	0.464 / 0.870	194	144	163	31.1	2320
70 SM / 35 RM	0.268 / 0.524	0.321 / 0.627	238	178	204	34.8	3130
95 SM / 50 SM	0.193 / 0.387	0.232 / 0.464	291	217	259	40.9	4550
120 SM / 70 SM	0.153 / 0.268	0.184 / 0.321	331	248	300	44.7	5615
150 SM / 70 SM	0.124 / 0.268	0.150 / 0.321	371	281	342	48.8	6675
185 SM / 95 SM	0.0991 / 0.193	0.1206 / 0.232	421	319	395	53.5	8190
240 SM / 120 SM	0.0754 / 0.153	0.0928 / 0.184	487	376	467	59.8	10450
300 SM / 150 SM	0.0601 / 0.124	0.0752 / 0.150	553	426	542	65.7	12780
400 SM / 185 SM	0.0470 / 0.091	0.0603 / 0.1206	617	495	606	73.3	16130



AL/PVC/STA/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	1.20 / 1.91	1.44 / 2.29	89	71	73	26.5	920
35 RM / 16 RM	0.868 / 1.91	1.04 / 2.29	107	85	88	28.3	1070
50 SM / 25 RM	0.641 / 1.20	0.770 / 1.44	151	112	127	31.1	1285
70 SM / 35 RM	0.443 / 0.868	0.533 / 1.04	185	139	159	34.8	1630
95 SM / 50 SM	0.320 / 0.641	0.385 / 0.770	226	169	201	40.9	2490
120 SM / 70 SM	0.253 / 0.443	0.305 / 0.533	258	194	233	44.7	2980
150 SM / 70 SM	0.206 / 0.443	0.249 / 0.533	288	219	265	48.8	3450
185 SM / 95 SM	0.164 / 0.320	0.198 / 0.385	328	250	308	53.5	4140
240 SM / 120 SM	0.125 / 0.253	0.152 / 0.305	380	294	365	59.8	5145
300 SM / 150 SM	0.100 / 0.206	0.122 / 0.249	432	336	424	65.7	6170
400 SM / 185 SM	0.0778 / 0.164	0.0961 / 0.198	486	393	478	73.3	7605

LOW VOLTAGE CABLES

0.6/1 (1.2) kV

Four Core Cables With Reduced Neutral, With Stranded Circular Copper or Aluminium Conductors, XLPE Insulated, Steel Tape Armoured, and PVC Sheathed

CU/XLPE/STA/PVC

Nominal Cross Sectional Area	Max Conductor Resistance		Current Carrying Capacity			Overall Diameter (approx.)	Overall Weight (approx.)
	DC at 20° C	AC at 90° C	Ground	Duct	Air		
mm ²	Ω/km	Ω/km	A	A	A	mm	kg/km
25 RM / 16 RM	0.727 / 1.15	0.927 / 1.47	152	116	131	25.0	200
35 RM / 16 RM	0.524 / 1.15	0.669 / 1.47	183	139	161	26.8	215
50 SM / 25 RM	0.387 / 0.727	0.494 / 0.927	226	169	201	29.0	2135
70 SM / 35 RM	0.268 / 0.524	0.343 / 0.669	276	208	253	33.3	2945
95 SM / 50 SM	0.193 / 0.387	0.247 / 0.494	341	251	322	38.3	4235
120 SM / 70 SM	0.153 / 0.268	0.196 / 0.343	386	290	373	42.6	5305
150 SM / 70 SM	0.124 / 0.268	0.160 / 0.343	432	329	426	46.7	6325
185 SM / 95 SM	0.0991 / 0.193	0.1284 / 0.247	491	375	493	51.4	7770
240 SM / 120 SM	0.0754 / 0.153	0.0988 / 0.196	569	436	584	57.2	9925
300 SM / 150 SM	0.0601 / 0.124	0.0799 / 0.160	643	498	664	62.6	12120
400 SM / 185 SM	0.0470 / 0.0991	0.0641 / 0.1284	720	575	764	70.2	15365

AL/XLPE/STA/PVC

Nominal Cross Sectional Area	Max Conductor Resistance		Current Carrying Capacity			Overall Diameter (approx.)	Overall Weight (approx.)
	DC at 20° C	AC at 90° C	Ground	Duct	Air		
mm ²	Ω/km	Ω/km	A	A	A	mm	kg/km
25 RM / 16 RM	1.20 / 1.91	1.54 / 2.45	120	91	102	25.0	805
35 RM / 16 RM	0.868 / 1.91	1.11 / 2.45	144	109	125	26.8	945
50 SM / 25 RM	0.641 / 1.20	0.822 / 1.54	175	131	156	29.0	1105
70 SM / 35 RM	0.443 / 0.868	0.568 / 1.11	215	162	196	33.3	1445
95 SM / 50 SM	0.320 / 0.641	0.411 / 0.822	264	195	250	38.3	2175
120 SM / 70 SM	0.253 / 0.443	0.325 / 0.568	300	226	289	42.6	2670
150 SM / 70 SM	0.206 / 0.443	0.265 / 0.568	335	256	330	46.7	3100
185 SM / 95 SM	0.164 / 0.320	0.212 / 0.411	382	293	383	51.4	3720
240 SM / 120 SM	0.125 / 0.253	0.162 / 0.325	443	342	455	57.2	4615
300 SM / 150 SM	0.100 / 0.206	0.130 / 0.265	502	392	523	62.6	5515
400 SM / 185 SM	0.0778 / 0.164	0.1023 / 0.212	566	457	601	70.2	6835



LOW VOLTAGE CABLES

0.6/1 (1.2) kV

Four Core Cables With Reduced Neutral, With Stranded Circular Copper or Aluminium Conductors, PVC Insulated, Steel Wire Armoured, and PVC Sheathed

CU/PVC/SWA/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	117	94	96	29.4	2064
35 RM / 16 RM	0.524 / 1.15	0.627 / 1.38	139	112	116	32.0	2532
50 SM / 25 RM	0.387 / 0.727	0.464 / 0.870	193	147	162	34.6	3258
70 SM / 35 RM	0.268 / 0.524	0.321 / 0.627	237	182	204	38.3	4182
95 SM / 50 SM	0.193 / 0.387	0.232 / 0.464	284	219	250	43.0	5358
120 SM / 70 SM	0.153 / 0.268	0.184 / 0.321	323	251	290	46.9	6522
150 SM / 70 SM	0.124 / 0.268	0.150 / 0.321	362	284	331	52.1	8112
185 SM / 95 SM	0.0991 / 0.193	0.1206 / 0.232	407	321	379	56.8	9762
240 SM / 120 SM	0.0754 / 0.153	0.0928 / 0.184	468	373	444	63.1	12210
300 SM / 150 SM	0.0601 / 0.124	0.0752 / 0.150	525	421	507	68.8	14676
400 SM / 185 SM	0.0470 / 0.0991	0.0603 / 0.1206	588	484	587	78.0	19164



AL/PVC/SWA/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	1.20 / 1.91	1.44 / 2.29	80	61	63	29.355	1632
35 RM / 16 RM	0.868 / 1.91	1.04 / 2.29	91	73	75	32.033	1794
50 SM / 25 RM	0.641 / 1.20	0.770 / 1.44	108	87	90	34.6	2226
70 SM / 35 RM	0.443 / 0.868	0.533 / 1.04	150	114	126	38.3	2682
95 SM / 50 SM	0.320 / 0.641	0.385 / 0.770	185	142	159	43.0	3318
120 SM / 70 SM	0.253 / 0.443	0.305 / 0.533	221	171	195	46.9	4320
150 SM / 70 SM	0.206 / 0.443	0.249 / 0.533	252	196	226	52.1	4884
185 SM / 95 SM	0.164 / 0.320	0.198 / 0.385	282	222	259	56.8	5712
240 SM / 120 SM	0.125 / 0.253	0.152 / 0.305	319	252	297	63.1	6906
300 SM / 150 SM	0.100 / 0.206	0.122 / 0.249	369	295	350	68.8	8100
400 SM / 185 SM	0.0778 / 0.164	0.0961 / 0.198	416	334	402	78.0	10632

LOW VOLTAGE CABLES

0.6/1 (1.2) kV

Four Core Cables With Reduced Neutral, With Stranded Circular Copper or Aluminium Conductors, XLPE Insulated, Steel Wire Armoured, and PVC Sheathed

CU/XLPE/SWA/PVC

Nominal Cross Sectional Area	Max Conductor Resistance		Current Carrying Capacity			Overall Diameter (approx.)	Overall Weight (approx.)
	DC at 20° C	AC at 90° C	Ground	Duct	Air		
mm ²	Ω/km	Ω/km	A	A	A	mm	kg/km
25 RM / 16 RM	0.727 / 1.15	0.927 / 1.47	157	120	136	27.5	1905
35 RM / 16 RM	0.524 / 1.15	0.669 / 1.47	188	144	166	29.6	2285
50 SM / 25 RM	0.387 / 0.727	0.494 / 0.927	226	171	202	31.5	2780
70 SM / 35 RM	0.268 / 0.524	0.343 / 0.669	277	212	255	36.8	3950
95 SM / 50 SM	0.193 / 0.387	0.247 / 0.494	332	256	312	40.4	4990
120 SM / 70 SM	0.153 / 0.268	0.196 / 0.343	378	293	361	44.9	6170
150 SM / 70 SM	0.124 / 0.268	0.160 / 0.343	423	332	414	50.0	7695
185 SM / 95 SM	0.0991 / 0.193	0.1284 / 0.247	549	377	472	54.7	9275
240 SM / 120 SM	0.0754 / 0.153	0.0988 / 0.196	548	438	558	60.5	11605
300 SM / 150 SM	0.0601 / 0.124	0.0799 / 0.160	615	495	637	65.7	13925
400 SM / 185 SM	0.0470 / 0.0991	0.0641 / 0.1284	695	566	740	74.9	18260

AL/XLPE/SWA/PVC

Nominal Cross Sectional Area	Max Conductor Resistance		Current Carrying Capacity			Overall Diameter (approx.)	Overall Weight (approx.)
	DC at 20° C	AC at 90° C	Ground	Duct	Air		
mm ²	Ω/km	Ω/km	A	A	A	mm	kg/km
25 RM / 16 RM	1.20 / 1.91	1.54 / 2.45	85	67	72	27.5	1345
35 RM / 16 RM	0.868 / 1.91	1.11 / 2.45	122	93	106	29.6	1545
50 SM / 25 RM	0.641 / 1.20	0.822 / 1.54	146	112	129	31.5	1745
70 SM / 35 RM	0.443 / 0.868	0.568 / 1.11	176	133	157	36.8	2450
95 SM / 50 SM	0.320 / 0.641	0.411 / 0.822	216	165	198	40.4	2930
120 SM / 70 SM	0.253 / 0.443	0.325 / 0.568	258	199	242	44.9	3535
150 SM / 70 SM	0.206 / 0.443	0.265 / 0.568	294	228	282	50.0	4465
185 SM / 95 SM	0.164 / 0.320	0.212 / 0.411	329	259	323	54.7	5230
240 SM / 120 SM	0.125 / 0.253	0.162 / 0.325	372	296	369	60.5	6295
300 SM / 150 SM	0.100 / 0.206	0.130 / 0.265	432	345	439	65.7	7320
400 SM / 185 SM	0.0778 / 0.164	0.1023 / 0.212	487	392	504	74.9	9730



LOW VOLTAGE CABLES

0.6/1 (1.2) kV

Four Core Cables, With Stranded Circular Copper or Aluminium Conductors, PVC Insulated, and PVC Sheathed

CU/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	30	22	21	10.7	180
2.5 RM	7.41	8.87	38	28	27	11.7	230
4 RM	4.61	5.54	49	37	36	14.1	345
6 RM	3.08	3.69	62	46	45	15.6	455
10 RM	1.83	2.19	80	60	60	17.6	590
16 RM	1.15	1.39	103	77	79	19.9	840
25 RM	0.727	0.870	132	100	104	24.3	1295
35 RM	0.524	0.627	159	120	127	27.0	1715
50 SM	0.387	0.464	192	139	160	30.2	2330
70 SM	0.268	0.321	238	170	205	33.9	3190
95 SM	0.193	0.232	285	205	250	39.0	4320
120 SM	0.153	0.184	324	237	290	42.4	5305
150 SM	0.124	0.150	365	268	334	47.4	6600
185 SM	0.0991	0.1206	413	305	385	52.2	8180
240 SM	0.0754	0.0928	479	355	457	58.9	10660
300 SM	0.0601	0.0752	542	406	529	65.3	13180
400 SM	0.0470	0.0603	621	468	622	72.0	16860

AL/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
16 RM	1.91	2.30	81	60	62	19.9	480
25 RM	1.20	1.44	104	78	82	24.3	710
35 RM	0.868	1.04	125	93	100	27.0	880
50 SM	0.641	0.770	149	107	124	30.2	1160
70 SM	0.443	0.533	185	133	159	33.9	1475
95 SM	0.320	0.385	221	160	194	39.0	1965
120 SM	0.253	0.305	252	184	226	42.4	2360
150 SM	0.206	0.249	283	208	259	47.4	2870
185 SM	0.164	0.198	321	239	300	52.2	3565
240 SM	0.125	0.152	373	279	356	58.9	4565
300 SM	0.100	0.122	423	319	412	65.3	5615
400 SM	0.0778	0.0961	488	372	488	72.0	7055

LOW
VOLTAGE
CABLES

0.6/1 (1.2) kV
Four Core Cables, With Stranded Circular Copper or Aluminium Conductors,
XLPE Insulated, and PVC Sheathed

CU/XLPE/PVC

Nominal Cross Sectional Area	Max Conductor Resistance		Current Carrying Capacity			Overall Diameter (approx.)	Overall Weight (approx.)
	DC at 20° C	AC at 90° C	Ground	Duct	Air		
mm²	Ω/km	Ω/km	A	A	A	mm	kg/km
1.5 RM	12.1	14.60	34	26	25	10.2	155
2.5 RM	7.41	8.87	44	33	33	11.2	205
4 RM	4.61	5.54	58	43	43	12.6	280
6 RM	3.08	3.69	72	53	55	14.1	380
10 RM	1.83	2.19	95	70	74	15.9	520
16 RM	1.15	1.39	122	90	97	18.1	760
25 RM	0.727	0.927	157	117	130	23.2	1215
35 RM	0.524	0.669	188	134	160	25.6	1610
50 SM	0.387	0.494	227	161	198	27.9	2120
70 SM	0.268	0.343	280	199	256	32.2	2980
95 SM	0.193	0.247	334	240	311	36.2	3990
120 SM	0.153	0.196	355	276	361	40.4	4985
150 SM	0.124	0.160	425	314	415	45.0	6200
185 SM	0.0991	0.1284	481	357	481	50.2	7720
240 SM	0.0754	0.0988	559	418	573	56.1	10045
300 SM	0.0601	0.0799	634	476	662	62.0	12410
400 SM	0.0470	0.0641	723	549	777	68.7	15945

AL/XLPE/PVC

Nominal Cross Sectional Area	Max Conductor Resistance		Current Carrying Capacity			Overall Diameter (approx.)	Overall Weight (approx.)
	DC at 20° C	AC at 90° C	Ground	Duct	Air		
mm²	Ω/km	Ω/km	A	A	A	mm	kg/km
16 RM	1.91	2.45	86	66	69	18.1	410
25 RM	1.20	1.54	122	86	102	23.2	595
35 RM	0.868	1.11	146	109	124	25.6	755
50 SM	0.641	0.822	176	126	154	27.9	880
70 SM	0.443	0.568	217	155	199	32.2	1195
95 SM	0.320	0.411	259	187	241	36.2	1545
120 SM	0.253	0.325	293	215	280	40.4	1920
150 SM	0.206	0.265	329	244	322	45.0	2385
185 SM	0.164	0.212	374	279	374	50.2	2940
240 SM	0.125	0.162	435	327	446	56.1	3785
300 SM	0.100	0.130	493	375	515	62.0	4635
400 SM	0.0778	0.1023	568	436	608	68.7	6140



LOW VOLTAGE CABLES

0.6/1 (1.2) kV

Four Core Cables, With Stranded Circular Copper or Aluminium Conductors, PVC Insulated, Steel Tape Armoured and PVC Sheathed

CU/PVC/STA/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
6 RM	3.08	3.69	57	45	46	18.1	630
10 RM	1.83	2.19	79	60	61	20.0	800
16 RM	1.15	1.39	101	78	80	22.5	1085
25 RM	0.727	0.870	116	93	95	27.1	1600
35 RM	0.524	0.627	139	111	114	29.6	2040
50 SM	0.387	0.464	198	145	170	33.7	2725
70 SM	0.268	0.321	243	179	213	38.6	3970
95 SM	0.193	0.232	295	218	267	43.7	5215
120 SM	0.153	0.184	336	249	308	47.6	6320
150 SM	0.124	0.150	378	282	353	52.5	7730
185 SM	0.0991	0.1206	427	320	407	57.8	9475
240 SM	0.0754	0.0928	495	377	483	64.5	12120
300 SM	0.0601	0.0752	560	427	555	70.9	14785
400 SM	0.0470	0.0603	640	496	651	75.2	18025



AL/PVC/STA/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
16 RM	1.91	2.30	79	60	62	22.5	705
25 RM	1.20	1.44	90	72	74	27.1	980
35 RM	0.868	1.04	108	86	89	29.6	1195
50 SM	0.641	0.770	154	113	132	33.7	1555
70 SM	0.443	0.533	189	140	166	38.6	2255
95 SM	0.320	0.385	229	170	207	43.7	2860
120 SM	0.253	0.305	261	195	239	47.6	3380
150 SM	0.206	0.249	293	220	274	52.5	4000
185 SM	0.164	0.198	333	251	317	57.8	4865
240 SM	0.125	0.152	386	295	376	64.5	6020
300 SM	0.100	0.122	437	337	434	70.9	7220
400 SM	0.0778	0.0961	504	394	512	75.2	8140

LOW VOLTAGE CABLES

0.6/1 (1.2) kV

Four Core Cables, With Stranded Circular Copper or Aluminium Conductors, XLPE Insulated, Steel Tape Armoured and PVC Sheathed

CU/XLPE/STA/PVC

Nominal Cross Sectional Area	Max Conductor Resistance		Current Carrying Capacity			Overall Diameter (approx.)	Overall Weight (approx.)
	DC at 20° C	AC at 90° C	Ground	Duct	Air		
mm ²	Ω/km	Ω/km	A	A	A	mm	kg/km
6 RM	3.08	3.69	70	53	55	16.6	545
10 RM	1.83	2.19	92	69	74	18.5	715
16 RM	1.15	1.39	108	84	91	21.0	990
25 RM	0.727	0.927	153	117	132	25.6	1475
35 RM	0.524	0.669	184	140	162	28.3	1915
50 SM	0.387	0.494	231	170	211	31.2	2500
70 SM	0.268	0.343	283	209	264	35.8	3440
95 SM	0.193	0.247	346	252	328	40.9	4825
120 SM	0.153	0.196	390	291	379	45.5	5955
150 SM	0.124	0.160	440	330	440	50.2	7275
185 SM	0.0991	0.1284	498	376	509	55.3	8915
240 SM	0.0754	0.0988	578	437	603	61.7	11435
300 SM	0.0601	0.0799	653	499	687	67.5	13940
400 SM	0.0470	0.0641	742	576	833	76.8	17865

AL/XLPE/STA/PVC

Nominal Cross Sectional Area	Max Conductor Resistance		Current Carrying Capacity			Overall Diameter (approx.)	Overall Weight (approx.)
	DC at 20° C	AC at 90° C	Ground	Duct	Air		
mm ²	Ω/km	Ω/km	A	A	A	mm	kg/km
16 RM	1.91	2.45	85	67	71	21.0	605
25 RM	1.20	1.54	121	92	103	25.6	855
35 RM	0.868	1.11	145	110	126	28.3	1055
50 SM	0.641	0.822	179	132	163	31.2	1330
70 SM	0.443	0.568	220	163	205	35.8	1725
95 SM	0.320	0.411	268	196	258	40.9	2470
120 SM	0.253	0.325	303	227	294	45.5	3015
150 SM	0.206	0.265	341	257	341	50.2	3545
185 SM	0.164	0.212	387	294	396	55.3	4300
240 SM	0.125	0.162	450	343	470	61.7	5340
300 SM	0.100	0.130	510	393	552	67.5	6370
400 SM	0.0778	0.1023	585	458	654	76.8	8030



LOW VOLTAGE CABLES

0.6/1 (1.2) kV

Four Core Cables, With Stranded Circular Copper or Aluminium Conductors, PVC Insulated, Steel Wire Armoured and PVC Sheathed

CU/PVC/SWA/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
6 RM	3.08	3.69	55	44	43	20.2	925
10 RM	1.83	2.19	80	61	63	22.2	1130
16 RM	1.15	1.39	103	79	82	25.4	1605
25 RM	0.727	0.870	118	95	97	30.0	2225
35 RM	0.524	0.627	140	113	117	32.7	2735
50 SM	0.387	0.464	194	148	163	37.2	3740
70 SM	0.268	0.321	238	183	205	40.8	4755
95 SM	0.193	0.232	285	220	251	47.0	6500
120 SM	0.153	0.184	324	252	291	50.9	7725
150 SM	0.124	0.150	363	285	332	55.8	9275
185 SM	0.0991	0.1206	408	322	380	61.3	11205
240 SM	0.0754	0.0928	469	374	445	67.8	14010
300 SM	0.0601	0.0752	526	422	508	74.2	16865
400 SM	0.0470	0.0603	589	485	588	78.1	20315



AL/PVC/SWA/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
16 RM	1.91	2.30	81	62	64	25.4	1225
25 RM	1.20	1.44	92	74	76	30.0	1605
35 RM	0.868	1.04	109	88	91	32.7	1875
50 SM	0.641	0.770	151	115	127	37.2	2575
70 SM	0.443	0.533	186	143	160	40.8	3040
95 SM	0.320	0.385	222	172	196	47.0	4145
120 SM	0.253	0.305	253	197	227	50.9	4780
150 SM	0.206	0.249	283	223	260	55.8	5545
185 SM	0.164	0.198	320	253	298	61.3	6595
240 SM	0.125	0.152	370	296	351	67.8	7915
300 SM	0.100	0.122	417	335	403	74.2	9300
400 SM	0.0778	0.0961	475	387	473	78.1	13230

LOW VOLTAGE CABLES

0.6/1 (1.2) kV

Four Core Cables, With Stranded Circular Copper or Aluminium Conductors, XLPE Insulated, Steel Wire Armoured and PVC Sheathed

CU/XLPE/SWA/PVC

Nominal Cross Sectional Area	Max Conductor Resistance		Current Carrying Capacity			Overall Diameter (approx.)	Overall Weight (approx.)
	DC at 20° C	AC at 90° C	Ground	Duct	Air		
mm ²	Ω/km	Ω/km	A	A	A	mm	kg/km
6 RM	3.08	3.69	71	54	57	18.7	810
10 RM	1.83	2.19	95	71	78	20.7	1015
16 RM	1.15	1.39	111	83	94	23.9	1470
25 RM	0.727	0.927	158	121	137	28.5	2055
35 RM	0.524	0.669	189	145	167	31.2	2555
50 SM	0.387	0.494	227	172	203	33.6	3160
70 SM	0.268	0.343	278	213	256	39.3	4480
95 SM	0.193	0.247	333	257	313	43.2	5655
120 SM	0.153	0.196	379	294	362	48.8	7295
150 SM	0.124	0.160	424	333	415	53.5	8755
185 SM	0.0991	0.1284	550	378	473	58.6	10540
240 SM	0.0754	0.0988	549	439	559	65.0	13250
300 SM	0.0601	0.0799	616	496	638	70.8	15920
400 SM	0.0470	0.0641	696	567	741	75.6	19190



AL/XLPE/SWA/PVC

Nominal Cross Sectional Area	Max Conductor Resistance		Current Carrying Capacity			Overall Diameter (approx.)	Overall Weight (approx.)
	DC at 20° C	AC at 90° C	Ground	Duct	Air		
mm ²	Ω/km	Ω/km	A	A	A	mm	kg/km
16 RM	1.91	2.45	86	68	73	23.9	1080
25 RM	1.20	1.54	123	94	107	28.5	1435
35 RM	0.868	1.11	147	113	130	31.2	1695
50 SM	0.641	0.822	177	134	158	33.6	1990
70 SM	0.443	0.568	217	166	199	39.3	2765
95 SM	0.320	0.411	259	200	243	43.2	3300
120 SM	0.253	0.325	295	229	283	48.8	4350
150 SM	0.206	0.265	330	260	324	53.5	5020
185 SM	0.164	0.212	373	297	370	58.6	5925
240 SM	0.125	0.162	433	346	440	65.0	7150
300 SM	0.100	0.130	488	393	505	70.8	8285
400 SM	0.0778	0.1023	558	457	594	75.6	9560