

### 0.6/1 (1.2) kV



#### (a) Description

- Soft annealed stranded Copper conductor, insulated with a PVC compound rated 70 ° C and sheathed with a PVC compound layer.
- Cables are produced according to IEC 60502.

#### (b) Application







- For outdoor and indoor installations in damp and wet locations. They are normally used for power distribution in urban networks, industrial plants, as well as in thermopower and hydropower stations.

#### (c) Technical data

Relevant Standard:	IEC 60502 Part 1.
Conductor :	Plain Copper, Class 2 according to IEC 60228.
Insulation :	PVC.
Outer Jacket :	PVC.
Temperature Range :	15- °C up to + 70 °C during operation.
Minimum Bending Radius :	8 x cable outer diameter (ø).
Packing Condition :	On non-returnable wooden drum.

# Low Voltage Power Cables

## (d) Product Data

Nominal Cross Sectional Area	Max. Conductor Resistance		Current Rating						Approx. Overall Diameter	Approx. Weight
	DC at 20 °C	AC at 70 °C	Laid in Ground			Laid in Free Air				
										
mm <sup>2</sup>	Ω/km	Ω/km	A	A	A	A	A	A	mm	kg/km
4	4.6100	5.5100	47	45	36	43	38	33	7.0	86
6	3.0800	3.6800	59	57	45	55	48	44	7.9	115
10	1.8300	2.1700	79	76	59	76	67	59	8.9	165
16	1.1500	1.3700	102	96	73	92	86	75	9.9	231
25	0.7270	0.8600	130	124	96	121	109	104	11.6	343
35	0.5240	0.6300	153	147	119	150	144	127	12.7	445
50	0.3870	0.4600	181	175	141	184	173	155	14.6	600
70	0.2680	0.3200	226	215	175	230	219	196	16.3	805
95	0.1930	0.2300	266	254	209	288	276	242	18.7	1085
120	0.1530	0.1900	305	288	237	328	316	282	20.4	1350
150	0.1240	0.1500	339	322	266	380	368	322	22.6	1654
185	0.0991	0.1200	390	367	305	437	426	368	24.9	2030
240	0.0754	0.0920	452	424	350	552	529	443	28.3	2675
300	0.0601	0.0750	509	475	396	633	610	518	31.1	3280
400	0.0470	0.0590	582	537	441	725	707	598	35.3	4350
500	0.0366	0.0480	655	593	492	828	805	690	38.8	5355
630	0.0283	0.0390	746	667	559	955	932	782	42.7	6685
800	0.0221	0.0290	836	735	627	1081	1058	891	47.2	8600
1000	0.0176	0.0250	927	802	684	1185	1162	989	52.0	10500

The above data is approximate and subjected to manufacturing tolerance.

