

## 0.6/1 (1.2) kV



### (a) Description

- Soft annealed stranded Copper conductor, insulated with a PVC compound rated 70 °C, armored by Aluminum wires 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 annealed Copper, Class 2 according to IEC 60228.
Insulation :	PVC.
Bedding :	PVC.
Aarmor :	Aluminum Wires Armor.
Outer Jacket :	PVC.
Temperature Range :	15- °C up to + 70 °C during operation.
Minimum Bending Radius:	10 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				
										
Ω/km	Ω/km	A	A	A	A	A	A			
120	0.1530	0.1900	290	274	225	312	300	268	25.3	1650
150	0.1240	0.1500	322	306	253	361	350	306	27.1	1960
185	0.0991	0.1200	371	349	290	415	405	350	29.2	2375
240	0.0754	0.0920	429	403	333	524	503	421	32.2	3000
300	0.0601	0.0750	484	451	376	601	580	492	35.7	3730
400	0.0470	0.0590	553	510	419	689	672	568	38.9	4715
500	0.0366	0.0480	622	563	467	787	765	656	42.9	5860
630	0.0283	0.0390	709	634	531	907	885	743	46.6	7175
800	0.0221	0.0290	794	698	596	1027	1005	846	52.5	9210

The above data is approximate and subjected to manufacturing tolerance.

