

Single Core Cables, with Stranded Circular Copper Conductors, PVC Insulated, Armored by Aluminium Tape and PVC Sheathed

0.6/1 (1.2) kV



(a) Description

- Soft annealed stranded Copper conductor, insulated with a PVC compound rated 70 °C, armored by Aluminum tape 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 :	Aluminium Tape Armor.
Outer Jacket :	PVC.
Temperature Range :	15- °C up to + 70 °C during operation.
Minimum Bending Radius:	15 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
			Laid In Ground			Laid In Free Air				
	DC at 20 °C	AC at 70 °C								
mm ²	Ω/km	Ω/km	A	A	A	A	A	A	mm	kg/km
120	0.1530	0.1900	290	274	225	312	300	268	23.2	1525
150	0.1240	0.1500	322	306	253	361	350	306	25.2	1835
185	0.0991	0.1200	371	349	290	415	405	350	27.3	2240
240	0.0754	0.0920	429	403	333	524	503	421	30.3	2850
300	0.0601	0.0750	484	451	376	601	580	492	33.1	3505
400	0.0470	0.0590	553	510	419	689	672	568	36.5	4475
500	0.0366	0.0480	622	563	467	787	765	656	40.5	5605
630	0.0283	0.0390	709	634	531	907	885	743	44	6875
800	0.0221	0.0290	794	698	596	1027	1005	846	48.9	8710

The above data is approximate and subjected to manufacturing tolerance.

