

## Single Core Cables, with Stranded Circular Aluminum Conductors, PVC Insulated, Armored by Aluminum Wires and PVC Sheathed

### 0.6/1 (1.2) kV



#### (a) Description

- Soft stranded Aluminum conductor, insulated with a PVC compound rated 90°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 :	Aluminum, 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				
										
mm <sup>2</sup>	Ω/km	Ω/km	A	A	A	A	A	A	mm	kg/km
120	0.2530	0.3050	225	215	177	257	246	202	25.3	915
150	0.2060	0.2480	253	241	193	290	278	230	27.1	1060
185	0.1640	0.1980	284	274	220	339	328	268	29.2	1240
240	0.1250	0.1510	333	316	257	399	388	317	32.1	1515
300	0.1000	0.1220	381	360	290	459	443	366	35.6	1865
400	0.0778	0.0954	440	408	333	546	524	427	38.9	2255
500	0.0605	0.0751	499	462	381	634	612	503	42.8	2725
630	0.0469	0.0595	575	526	435	743	721	584	46.5	3300
800	0.0367	0.0470	644	569	484	836	814	677	52.9	4260

The above data is approximate and subjected to manufacturing tolerance.

