

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

0.6/1 (1.2) kV



(a) Description

- Soft annealed stranded Copper conductor, insulated with a XLPE compound rated 90 ° 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 :	Cross Linked Polyethylene Compound (XLPE).
Bedding :	PVC.
Aarmor :	Aluminium Tape Armor.
Outer Jacket :	PVC.
Temperature Range :	15- °C up to + 90 °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
	DC at 20 °C	*AC at 90 °C*	Laid In Ground			Laid In Free Air				
										
mm ²	Ω/km	Ω/km	A	A	A	A	A	A	mm	kg/km
120	0.1530	0.1970	370	348	283	422	411	356	22.4	1440
150	0.1240	0.1600	408	387	321	478	466	407	24.4	1740
185	0.0991	0.1290	468	440	365	554	543	461	26.5	2125
240	0.0754	0.0990	539	505	418	680	670	561	29.1	2685
300	0.0601	0.0810	609	565	473	861	790	648	31.9	3320
400	0.0470	0.0638	695	642	533	933	911	746	35.1	4245
500	0.0366	0.0517	788	717	592	1054	1032	850	39.1	5330
630	0.0283	0.0425	903	805	675	1207	1185	999	43.2	6620
800	0.0221	0.0292	991	891	761	1372	1350	1141	48.5	8460

The above data is approximate and subjected to manufacturing tolerance.

