

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

0.6/1 (1.2) kV



(a) Description

- Soft annealed stranded Aluminum conductor, insulated with a XLPE 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 :	Cross Linked Polyethylene Compound (XLPE).
Bedding :	PVC.
Aarmor :	Aluminium Wires Armor.
Outer Jacket :	PVC.
Temperature Range :	15- °C up to + 90 °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

Aluminum wire not tape	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				
										
Ω/km	Ω/km	A	A	A	A	A	A	mm	kg/km	
120	0.2530	0.3250	288	273	222	341	330	253	24.5	825
150	0.2060	0.2650	321	304	244	390	378	313	26.3	955
185	0.1640	0.2120	365	348	276	456	439	352	28.4	1120
240	0.1250	0.1630	425	403	326	539	522	417	31.1	1360
300	0.1000	0.1310	484	451	370	604	593	483	33.9	1625
400	0.0778	0.1000	561	522	425	724	708	565	37.7	2030
500	0.0605	0.0870	631	587	484	846	824	658	41.6	2460
630	0.0469	0.0620	723	669	555	988	965	780	45.5	3025
800	0.0367	0.0560	816	729	620	1119	1097	889	52.5	4005

The above data is approximate and subjected to manufacturing tolerance.

