

0.6/1 (1.2) kV



(a) Description

- Soft stranded Aluminium conductor, insulated with a XLPE compound covered with a layer of PVC compound to form the overall jacket.
- 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, in industrial plants, as well as in thermopower and hydropower stations.

(c) Technical data

Relevant Standard:	IEC 60502 Part 1.
Conductor :	Aluminium, Class 2 according to IEC 60228.
Insulation :	Cross Linked Polyethylene Compound (XLPE).
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

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
16	1.9100	2.4500	97	95	72	98	92	69	9.3	115
25	1.2000	1.5400	123	120	92	128	121	105	11.0	165
35	0.8680	1.1130	149	143	114	156	151	133	12.1	205
50	0.6410	0.8220	178	169	132	190	185	162	13.8	260
70	0.4430	0.5690	218	206	166	243	237	197	15.7	340
95	0.3200	0.4110	257	246	195	312	300	237	17.7	450
120	0.2530	0.3250	303	287	234	359	347	266	19.6	550
150	0.2060	0.2650	338	320	257	410	398	329	21.8	670
185	0.1640	0.2120	384	366	291	480	462	370	23.9	830
240	0.1250	0.1630	447	424	343	567	549	439	27.1	1050
300	0.1000	0.1310	509	475	389	636	624	508	29.7	1300
400	0.0778	0.1000	590	549	447	762	745	595	33.9	1610
500	0.0605	0.0870	664	618	509	890	867	693	37.4	2000
630	0.0469	0.0620	761	704	584	1040	1016	821	41.9	2520
800	0.0367	0.0560	859	767	653	1178	1155	936	46.8	3150

The above data is approximate and subjected to manufacturing tolerance.

