

0.6/1 (1.2) kV



(a) Description

- Soft annealed stranded Copper 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 :	Plain annealed Copper, 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
10	1.830	2.3300	107	94	74	92	87	75	8.3	150
16	1.150	1.4700	126	121	95	128	121	105	9.3	210
25	0.7270	0.9270	164	155	120	157	151	133	11	315
35	0.5240	0.6690	195	187	149	197	190	167	12.1	410
50	0.3870	0.4940	229	218	178	243	231	202	13.8	555
70	0.2680	0.3430	287	269	218	306	295	260	15.7	760
95	0.1930	0.2480	338	320	264	382	370	318	17.7	1015
120	0.1530	0.1970	389	366	298	444	433	375	19.6	1280
150	0.1240	0.1600	429	407	338	503	491	428	21.8	1570
185	0.0991	0.1290	493	463	384	583	572	485	23.9	1920
240	0.0754	0.0990	567	532	440	716	705	590	27.1	2530
300	0.0601	0.0810	641	595	498	906	832	682	29.7	3105
400	0.0470	0.0638	732	676	561	982	959	785	33.9	4135
500	0.0366	0.0517	829	755	623	1109	1086	895	37.4	5110
630	0.0283	0.0425	950	847	710	1271	1247	1052	41.9	6455
800	0.0221	0.0292	1043	938	801	1444	1421	1201	46.8	8260

The above data is approximate and subjected to manufacturing tolerance.

