

0.6/1 (1.2) kV



(a) Description

- Soft stranded Aluminum conductor, insulated with a PVC compound rated 90°C 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.
Outer Jacket :	PVC.
Temperature Range :	15- °C up to + 70 °C during operation.
Minimum Bending Radius:	8 x cable outer diameter (∅).
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 ²	Ω/km	Ω/km	A	A	A	A	A	A	mm	kg/km
16	1.9100	2.2900	73	71	57	75	69	52	9.9	132
25	1.2000	1.4400	96	94	73	98	92	75	11.6	185
35	0.8680	1.0430	119	115	90	121	115	98	12.7	250
50	0.6410	0.7700	141	136	107	144	138	121	14.6	295
70	0.4430	0.5330	175	164	136	190	178	144	16.3	375
95	0.3200	0.3850	209	198	153	236	224	184	18.7	500
120	0.2530	0.3050	237	226	186	270	259	213	20.4	605
150	0.2060	0.2480	266	254	203	305	293	242	22.6	725
185	0.1640	0.1980	299	288	232	357	345	282	24.8	900
240	0.1250	0.1510	350	333	271	420	408	334	28.3	1150
300	0.1000	0.1220	401	379	305	483	466	385	31.1	1420
400	0.0778	0.0954	463	429	350	575	552	449	35.3	1750
500	0.0605	0.0751	525	486	401	667	644	529	38.8	2220
630	0.0469	0.0595	605	554	458	782	759	615	42.7	2750
800	0.0367	0.0470	678	599	509	880	857	713	47.2	3450
1000	0.0291	0.0370	751	661	559	966	943	794	52.0	4230

The above data is approximate and subjected to manufacturing tolerance.

