

450/750 V



(a) Description

- Soft stranded Aluminum conductor insulated with a PVC compound rated 70 °C or 90 °C (with special request) .
- Wires are produced according to IEC 60227 & BS EN 50525.

(b) Application

- For indoor fixed installations in dry locations, laid in conduits, as well as in steel support brackets.


(c) Technical data

Relevant Standard:	IEC 60227 & BS EN 50525.
Conductor :	Aluminum, Class 2 according to IEC 60228.
Insulation :	PVC/C - as per IEC 60227.
Colour Code :	As per customer request.
Temperature Range :	15- °C up to + 70 °C during operation.
Packing Condition :	On non-returnable wooden drum



Building Wires

(d) Product Data

Nominal Cross Sectional Area	Max. Conductor Resistance		Current Rating in Air		Approx. Overall Diameter	Approx. Weight
	DC at 20 °C	*AC at 70 °C*	Free 	In Pipes 		
mm ²	Ω/km	Ω/km	A	A	mm	kg/km
16	1.91	2.2900	57	52	6.7	75
25	1.2	1.4400	73	75	8.2	115
35	0.868	1.0400	90	98	9.3	150
50	0.641	0.7700	107	121	11	200
70	0.443	0.5330	136	144	12.6	270
95	0.32	0.3850	153	184	14.5	355
120	0.253	0.3050	186	213	15.9	440
150	0.206	0.2480	203	242	17.7	545
185	0.164	0.1980	232	282	19.8	675
240	0.125	0.1510	271	334	22.5	870
300	0.1	0.1220	305	385	25.3	1090
400	0.0778	0.0590	350	449	28.4	1375
500	0.0605	0.0480	401	529	32.1	1735
630	0.0469	0.0390	458	615	35.6	2195
800	0.0367	0.0290	509	713	40.4	2790

The above data is approximate and subjected to manufacturing tolerance.

