

450/750 V



(a) Description

- Soft annealed Copper fine wires, bunched together in subunits or stranded bunched groups into a main units, which forms the flexible conductor, insulated with a PVC 70 °C or 90 °C (with special request) compound.
- Wires are produced according to IEC 60227 & BS EN 50525.

(b) Application

- For indoor fixed installations in dry locations, where particular flexibility is required. For electrical panels connection or for electrical apparatus.
- They can be laid in groups around steel sheets.

(c) Technical data

Relevant Standard:	IEC 60227 & BS EN 50525.
Conductor :	Plain annealed flexible Copper, Class 5 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 For sizes $\geq 16 \text{ mm}^2$ and Air Coils for smaller Sizes .

Building Wires

(d) Product Data

Nominal CrossSectional Area	Maximum Diameter of Wires	Max. Conductor Resistance		Current Rating		Approx. Overall Diameter	Approx. Weight
		DC at 20 °C	*AC at 70 °C*	Free 	In Pipes 		
mm ²	mm	Ω/km	Ω/km	A	A	mm	kg/km
4	0.31	4.9500	5.9300	37	26	4.5	60
6	0.31	3.3000	3.9500	46	33	5.1	71
10	0.41	1.9100	2.2900	66	46	6.9	120
16	0.41	1.2100	1.4500	87	61	7.6	179
25	0.41	0.7800	0.9400	118	79	9.5	276
35	0.41	0.5540	0.6630	147	98	11	375
50	0.41	0.3860	0.4620	179	120	12.6	542
70	0.51	0.2720	0.3260	230	148	14.6	733
95	0.51	0.2060	0.2470	289	188	16.8	957
120	0.51	0.1610	0.1930	337	215	18.9	1243
150	0.51	0.1290	0.1550	385	247	21.2	1548
185	0.51	0.1060	0.1270	449	283	23.4	1895
240	0.51	0.0801	0.0960	542	339	26.7	2400

The above data is approximate and subjected to manufacturing tolerance.

