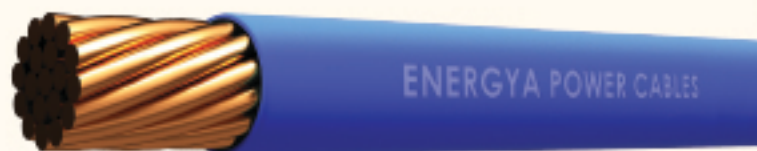


450/750 V



(a) Description

- Soft annealed solid or stranded Copper 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 :	Plain annealed Copper, Class 1 or 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 For sizes $\geq 16 \text{ mm}^2$ and Air Coils for smaller Sizes.

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
1.5 o	12.1000	14.6000	20	15	2.8	20
1.5 r	12.1000	14.6000	20	15	3	21
2 o	9.1500	10.9000	22	17	3.2	27
2 r	9.1500	10.9000	22	17	3.4	28
2.5 o	7.4100	8.8900	28	21	3.4	31
2.5 r	7.4100	8.8900	28	21	3.6	33
3 o	6.1000	7.4100	31	24	3.6	37
3 r	6.1000	7.4100	31	24	3.8	39
4 o	4.6100	5.5100	37	26	3.9	47
4 r	4.6100	5.5100	37	26	4.2	50
6 o	3.0800	3.6800	46	33	4.4	68
6 r	3.0800	3.6800	46	33	4.7	71
10 r	1.8300	2.1700	66	46	6.1	117
16 r	1.1500	1.3700	87	61	7.1	177
25 r	0.7270	0.8600	118	79	8.8	278
35 r	0.5240	0.6300	147	98	9.9	371
50 r	0.3870	0.4600	179	120	11.8	514
70 r	0.2680	0.3200	230	148	13.5	711
95 r	0.1930	0.2300	289	188	15.7	967
120 r	0.1530	0.1900	337	215	17.4	1240
150 r	0.1240	0.1500	385	247	19.4	1500
185 r	0.0991	0.1200	449	283	21.5	1852
240 r	0.0754	0.0920	542	339	24.7	2457
300 r	0.0601	0.0750	621	384	27.2	2977

The above data is approximate and subjected to manufacturing tolerance.

r : round, Stranded
o : round, Solid

