

Bare Soft and Hard Drawn Stranded

Description :

Hard drawn concentric lay stranded copper conductor .

Applicable standards :

IEC 60228

Egyptian standard 2948 .

Conductors :

Hard bare solid copper .

Applications :

- Transmission of power from one city to another .*
- Transmission of power from power stations to buildings, factories, and all constructions .*
- Transmission of power to transportations .*

Nominal cross Sectional Area	Number and nominal diameters of wires	Max. DC. Resistance at 20 °C	Approx. overall diameter	Approx. weight
mm²	no x Ø (mm)	Ω / Km	mm	kg / km
		a - Bare soft drawn		
2.5	7 x 0.67	7.41	2.1	23
4	7 x 0.84	4.61	2.5	36
6	7 x 1.04	3.08	3.1	54
10	7 x 1.33	1.83	4	91
16	7 x 1.68	1.15	5.1	145
25	7 x 2.12	0.727	6.3	227
35	7 x 2.48	0.524	7.4	318
50	19 x 1.8	0.387	9	455
70	19 x 2.1	0.268	10.5	635
95	19 x 2.48	0.193	12.4	862
120	37 x 2	0.153	14	1089
150	37 x 2.22	0.124	15.5	1362
185	37 x 2.48	0.0991	17.3	1679
240	61 x 2.22	0.0754	19.9	2179
300	61 x 2.48	0.601	22.3	2723
400	61 x 2.81	0.047	25.2	3631
		b - Bare hard drawn		
10	7 x 1.35	1.806	4.5	93
16	7 x 1.7	1.1385	5.1	146
25	7 x 2.1	0.7461	6.4	231
35	7 x 2.5	0.5264	7.5	324
50	19 x 1.8	0.3759	9	463
70	19 x 2.1	0.2762	10.5	648
95	19 x 2.5	0.1949	12.5	880
120	37 x 2	0.1554	14	1111
150	37 x 2.25	0.1238	15.7	1389
185	37 x 2.5	0.1003	17.5	1713
240	61 x 2.25	0.0753	20.2	2222
300	61 x 2.5	0.061	22.5	2778
400	61 x 2.89	0.456	26	3704