



**ALUMINIUM & COPPER
BINDING WIRES**

WE CANNOT DIRECT THE WIND, BUT WE CAN ADJUST THE SAILS - BERTHA CALLOWAY

ALUMINIUM WIRES

IEC 61089

Cross - sectional area	Diameter	Min. breaking load
mm²	mm	N
1.43	1.35	235.95
2.30	1.71	379.50
3.56	2.13	587.40
5.27	2.59	869.55
5.73	2.70	945.45
6.56	2.89	1,082.40
8.40	3.27	1,386.00
8.50	3.29	1,402.50
9.03	3.39	1,489.95
10.35	3.63	1,707.75
10.52	3.66	1,735.80
10.81	3.71	1,783.65
11.64	3.85	1,920.60
12.19	3.94	2,011.35
12.32	3.96	2,032.80
13.14	4.09	2,168.10
13.14	4.09	2,168.10
13.53	4.15	2,232.45
13.72	4.18	2,263.80
14.73	4.33	2,430.45
15.14	4.39	2,498.10
15.41	4.43	2,542.65
16.40	4.57	2,706.00
16.47	4.58	2,717.55

**COPPER WIRES**

BS 7884



Cross-sectional area	Diameter	Min. breaking load
mm ²	mm	N
1.43	1.35	583.00
2.01	1.60	818.00
2.27	1.70	923.00
2.54	1.80	1,035.00
3.46	2.10	1,409.00
3.98	2.25	1,618.00
4.75	2.46	1,932.00
4.91	2.50	1,997.00
5.51	2.65	2,244.00
6.16	2.80	2,505.00
6.61	2.90	2,687.00
7.07	3.00	2,875.00
8.04	3.20	3,271.00
9.90	3.55	4,027.00
11.04	3.75	4,494.00
14.52	4.30	5,675.00

ALUMINIUM AND COPPER BINDING WIRES

ECG E-11 SPECIFICATION



Material	Nominal cross sectional area	Diameter wire	Min. Tensile Strength
	mm ²	mm	N/mm ²
Aluminium	4.91	2.5 ± 1%	98 - 128
Copper	3.14	2.0 ± 1%	235

FOR SIZES NOT SHOWN HERE, PLEASE CONTACT - info@tropicalcable.com