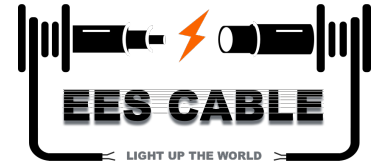


# BS 3242

All Aluminum Alloy 6201-T81  
Conductors ( AAAC )



CodeName	Nominal Aluminum Area	Equivalent Copper Area	Stranding	Overall Diameter	Total Area	Weight	Rated Strength	Maximum DC Resistance at 20oC
	mm <sup>2</sup>	mm <sup>2</sup>	N° / mm	mm	mm <sup>2</sup>	kg/km	kN	Ω/km
-	10	6.24	7/1.47	4.41	11.88	32	3.33	2.771
Box	15	9.88	7/1.85	5.55	18.82	51	5.27	1.750
Acacia	20	12.50	7/2.08	6.24	23.79	65	6.67	1.384
Almond	25	15.80	7/2.34	7.02	30.10	82	8.44	1.094
Cedar	30	18.60	7/2.54	7.62	35.47	97	9.94	0.9281
-	35	22.1	7/2.77	8.31	42.18	115	11.82	0.7804
Fir	40	25.1	7/2.95	8.85	47.84	131	13.40	0.6880
Hazel	50	31.4	7/3.30	9.90	59.87	164	16.80	0.5498
Pine	60	37.6	7/3.61	10.83	71.65	196	20.08	0.4595
-	70	44.1	7/3.91	11.73	84.05	230	23.56	0.3917
Willow	75	47.1	7/4.04	12.12	89.73	245	25.15	0.3669
-	80	50.7	7/4.19	12.57	96.52	264	27.05	0.3411
-	90	57.2	7/4.45	13.35	108.9	298	30.51	0.3024
Oak	100	62.4	7/4.65	13.95	118.9	325	33.30	0.2769
-	100	62.3	19/2.82	14.1	118.7	326	33.26	0.2788
Mulberry	125	79.2	19/3.18	15.9	150.9	415	42.29	0.2192
Ash	150	94.9	19/3.48	17.4	180.7	497	50.65	0.1830
Elm	175	111.0	19/3.76	18.8	211.0	580	59.10	0.1568
Poplar	200	126.0	37/2.87	20.09	239.4	659	67.08	0.1385
-	225	142.0	37/3.05	21.35	270.3	744	75.76	0.1226
Sycamore	250	159.0	37/3.23	22.61	303.2	835	84.97	0.1094
Upas	300	190.0	37/3.53	24.71	362.1	997	101.5	0.09155
-	350	221.0	37/3.81	26.67	421.8	1162	118.2	0.0786
Yew	400	251.0	37/4.06	28.42	479.0	1319	134.2	0.0692