ALL ALUMINIUM ALLOY CONDUCTORS (AAAC) BS 3242

Code Name	Nominal Aluminium Area	Total Area	Stranding		Conductor Diameter	Weight	Rated Strength	DC Resistance @ 20°C
			No. of Aluminium Wires	Individual wire diameter				
	(mm^2)	(mm^2)	(No.)	(mm)	(mm)	(Kg/Km)	(KN)	(Ω/Km)
-	10	11.88	7	1.47	4.41	32.0	3.33	2.771
Box	15	18.82	7	1.85	5.55	51.0	5.27	1.75
Acacia	20	23.79	7	2.08	6.24	65.0	6.67	1.384
Almond	25	30.1	7	2.34	7.02	82.0	8.44	1.094
Cedar	30	35.47	7	2.54	7.62	97.0	9.94	0.9281
-	35	42.18	7	2.77	8.31	115.0	11.82	0.7804
Fir	40	47.84	7	2.95	8.85	131.0	13.4	0.688
Hazel	50	59.87	7	3.30	9.9	164.0	16.8	0.5498
Pine	60	71.65	7	3.61	10.83	196.0	20.08	0.4595
-	70	84.05	7	3.91	11.73	230.0	23.56	0.3917
Willow	75	89.73	7	4.04	12.12	245.0	25.15	0.3669
-	80	96.52	7	4.19	12.57	264.0	27.05	0.3411
-	90	108.9	7	4.45	13.35	298.0	30.51	0.3024
Oak	100	118.9	7	4.65	13.95	325.0	33.3	0.2769
-	100	118.7	19	2.82	14.1	326.0	33.26	0.2788
Mulberry	125	150.9	19	3.18	15.9	415.0	42.29	0.2192
Ash	150	180.7	19	3.48	17.4	497.0	50.65	0.183
Elm	175	211	19	3.76	18.8	580.0	59.1	0.1568
Poplar	200	239.4	37	2.87	20.09	659.0	67.08	0.1385
-	225	270.3	37	3.05	21.35	744.0	75.76	0.1226
Sycamore	250	303.2	37	3.23	22.61	835.0	84.97	0.1094
Upas	300	362.1	37	3.53	24.71	997.0	101.5	0.09155
-	350	421.8	37	3.81	26.67	1162.0	118.2	0.0786
Yew	400	479	37	4.06	28.42	1319.0	134.2	0.0692