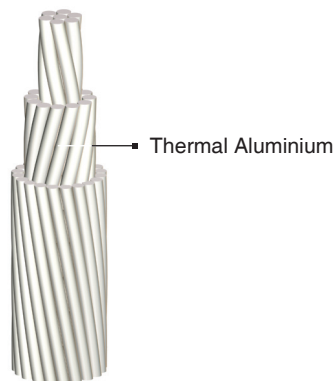


TAL

Thermal Aluminium Conductor

Standard Specification : JEC 3406 : 1995



Technical Properties

Size	Number / Dia. of Wire	Calculated Cross Sect. Area	Approx. Overall Diameter	Approx. Weight	Calculated Breaking Load	DC Resistance at 20° C Max.	Current Carrying Capacity *	Standard Length per Reel
mm ²	No. / mm	mm ²	mm	kg/km	kN	Ohm/km	A	m
240	19 / 4.0	238.8	20.00	654	34.2	0.122	897	2,000
400	37 / 3.7	397.8	25.90	1,097	58.0	0.0737	1,258	2,000
510	37 / 4.2	512.6	29.40	1,413	73.3	0.0571	1,491	2,000
660	61 / 3.7	655.9	33.30	1,812	95.6	0.0448	1,753	2,000
850	61 / 4.2	845.1	37.80	2,334	120.9	0.0342	2,073	2,000
980	91 / 3.7	978.4	40.70	2,716	142.7	0.0302	2,272	1,000
1030	91 / 3.8	1032.0	41.80	2,865	150.5	0.0286	2,353	1,000
1260	91 / 4.2	1260.8	46.20	3,499	180.3	0.0234	2,672	1,000
1600	127 / 4.0	1595.9	52.00	4,438	228.5	0.0186	3,083	1,000
2020	127 / 4.5	2019.8	58.50	5,617	289.0	0.0147	3,540	500
2500	127 / 5.0	2493.6	65.00	6,935	357.0	0.0118	3,988	500

*Note : Ambient temperature : 40°C
wind velocity : 0.5 m/sec
Continuous operating temperature of conductor : 150°C
Conductivity of TAL : 60% IACS