



# Alumtek Corporation Technical Catalog

www.alumtekcorp.com

Technical Catalog For :

**ACSR/GA**

Standard: **ASTM-H**

Code name	AL/No	Al wire diameter (mm)	St/No	St wire diameter (mm)	Overall diameter (mm)	Cross section (mm <sup>2</sup> )	Linear weight (kg/km)	Breaking load (kgf)	Rdc (ohm/km)	Rac (ohm/km):	Rac (ohm/km):	Ampacity at Min tem. A **	Ampacity at Max tem. A **
									20degree C	25degree C	75degree C		
<b>PETREL</b>	12	2.34	7	2.34	11.7	81.71	379	4707	0.51607	0.56730	0.67935	253	212
<b>MINORCA</b>	12	2.44	7	2.44	12.2	88.84	412	5118	0.47463	0.52175	0.62481	267	224
<b>LEGHORN</b>	12	2.69	7	2.69	13.45	107.98	501	6188	0.39051	0.42928	0.51407	305	255
<b>GUINEA</b>	12	2.92	7	2.92	14.6	127.23	590	7252	0.33142	0.36432	0.43628	340	285
<b>GROUSE</b>	8	2.54	1	4.24	9.32	54.65	222	2332	0.67581	0.68943	0.82561	205	172
<b>DOTTEREL</b>	12	3.08	7	3.08	15.4	141.56	656	7820	0.29788	0.32745	0.39213	365	306
<b>DORKING</b>	12	3.20	7	3.20	16	152.80	708	8441	0.27596	0.30335	0.36327	384	322
<b>COCHIN</b>	12	3.37	7	3.37	16.85	169.47	786	9362	0.24882	0.27379	0.32787	411	345



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<b>BRAHMA</b>	16	2.86	19	2.48	18.12	194.56	1005	12904	0.24851	0.28637	0.34294	<b>422</b>	<b>354</b>

**Design conditions : \*\***

<b>Wind velocity:</b> M/S	0.6	<b>Sun absorbtion:</b> WATTS/M2	1033
<b>Frequency:</b> HZ	50	<b>Working temp. of conductor:</b> CENT	75
<b>Min ambient temp.:</b> CENT	25	<b>Emissivity:</b>	0.5
<b>Min ambient temp.:</b> CENT	40	<b>sea level:</b> m	1500