



Alumtek Corporation Technical Catalog

www.alumtekcorp.com

Technical Catalog For :

ACSR/AW

Standard:

BS

Code name	AL/No	Al wire diameter (mm)	St/No	St wire diameter (mm)	Overall diameter (mm)	Cross section (mm ²)	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		
GOPHER	6	2.36	1	2.36	7.08	30.62	101	990	1.03473	1.05571	1.26424	152	127
WEASEL	6	2.59	1	2.59	7.77	36.88	122	1180	0.85911	0.87670	1.04987	171	144
FERRET	6	3.00	1	3.00	9	49.48	163	1555	0.64033	0.65368	0.78279	208	175
RABBIT	6	3.35	1	3.35	10.05	61.70	203	1903	0.51352	0.52422	0.62777	241	202
HORSE	12	2.79	7	2.79	13.95	116.16	487	6267	0.32951	0.39256	0.47010	336	282
DOG	6	4.72	7	1.57	14.15	118.53	378	3235	0.26188	0.27799	0.33290	378	317
WOLF	30	2.59	7	2.59	18.13	194.93	683	6933	0.17020	0.19727	0.23623	495	415
DINGO	18	3.35	1	3.35	16.75	167.46	477	3521	0.17835	0.18799	0.22512	477	400



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LYNX	30	2.79	7	2.79	19.53	226.20	793	7993	0.14667	0.16143	0.19331	561	470
CARACAL	18	3.61	1	3.61	18.05	194.47	576	4018	0.15358	0.16072	0.19247	529	444
PANTHER	30	3.00	7	3.00	21	261.53	917	9161	0.12686	0.14017	0.16785	616	517
JAGUAR	18	3.86	1	3.86	19.3	222.33	658	4513	0.13433	0.13851	0.16587	583	489
ZEBRA	54	3.18	7	3.18	28.62	484.46	1557	13132	0.06470	0.07207	0.08630	940	789

Design conditions : **

Wind velocity: M/S 0.6

Sun absorbtion: WATTS/M2 1033

Frequency: HZ 50

Working temp. of conductor: CENT 75

Min ambient temp.: CENT 25

Emissivity: 0.5

Min ambient temp.: CENT 40

sea level: m 1500