


CONDUCTOR MATERIAL	ITEM REF.	STRANDING	CONDUCTOR CODE NAME	PWC ITEM NUMBER	CROSS SECTIONAL AREA (sq.mm)	APPROX. OVERALL DIAMETER (mm)	MASS (kg/km)	MIN. BREAKING LOAD (kN)	GEOMETRIC MEAN RADIUS (mm)	FORCE PER UNIT LENGTH (N/m)		CALCULATED DC RESISTANCE AT 20°C (OHMS/km)	TEMP COEFF. OF RESISTANCE AT 20°C (10E-3/°C)	COEFF. OF LINEAR EXPANSION AT 20°C (10E-6/°C)	MODULUS OF ELASTICITY (GPa)
										NO WIND CONDITION	RESULTANT UNDER WIND				
AAC	1	7/3.00	LIBRA	-	49.5	9.0	135	7.98	3.27	1.324	4.690	0.579	4.03	23.0	65
	2	7/3.75	MARS	2303	77.3	11.3	211	11.8	4.10	2.070	6.017	0.370	4.03	23.0	65
	3	7/4.50	MERCURY	2287	111	13.5	304	16.9	4.90	2.982	7.379	0.258	4.03	23.0	65
	4	19/3.75	PLUTO	2261	210	18.8	576	31.9	7.12	5.650	10.967	0.137	4.03	23.0	65
	5	61/3.75	VENUS	503182	673	33.8	1860	97.2	13.05	18.25	24.873	0.0429	4.03	23.0	64
AAAC	6	7/3.00	FLUORINE	293522	49.5	9.0	135	8.18	3.27	1.324	6.017	0.599	3.90	23.0	65
	7	7/4.50	HYDROGEN	1651	111	13.5	304	24.3	4.90	2.982	7.379	0.266	3.90	23.0	65
	8	19/3.75	NEON	406339	210	18.8	576	47.8	7.12	5.650	10.967	0.142	3.90	23.0	65
ACSR/GZ	9	3/4/2.50	RAISIN	1610	34.4	7.5	195	24.4	2.72	1.913	4.210	1.59	Al - 4.03 GZ - 4.40	13.9	136
	10	6/1/3.00	APPLE	2329	49.5	9.0	171	14.9	3.27	1.678	4.803	0.677	Al - 4.03 GZ - 4.40	19.3	83
	11	6/1/3.75	BANANA	2337	77.3	11.3	268	22.7	4.10	2.629	6.232	0.433	Al - 4.03 GZ - 4.40	19.3	83
	12	6/4.75/7/1.60	CHERRY	2345	120	14.3	402	33.4	5.19	3.944	8.166	0.271	Al - 4.03 GZ - 4.40	19.9	80
	13	30/7/3.50	LIME	208967	356	24.5	1320	122	10.10	12.950	17.826	0.100	Al - 4.03 GZ - 4.40	18.4	88
	14	54/7/3.00	MANGO	415504	431	27.0	1440	119	10.93	14.126	19.540	0.0758	Al - 4.03 GZ - 4.40	19.9	78
ACSR/AC	15	30/7/3.50	DIVING	504206	356	24.5	1240	122	10.10	12.164	17.263	0.0928	Al - 4.03 AC - 3.60	19.4	82
AACSR/AC	16	30/7/3.50	EUCALYPTUS	227561	356	24.5	1240	143	10.10	12.164	17.263	0.0961	Al - 3.90 AC - 3.60	19.4	82
SC/AC	17	3/2.75 LHL	-	293548	17.82	5.9	118	22.7	2.53	1.158	3.169	4.80	3.60	12.9	159
	18	7/3.25 LHL	-	206656	58.07	9.8	387	69.9	3.56	3.797	6.199	1.47	3.60	12.9	157
SC/GZ	19	19/2.75 RHL	-	8730	112.9	13.8	900	133	5.01	8.829	11.205	1.71	4.40	11.5	166

5 ADDED ITEMS 5, 10, 11, 12, 13, 14, 15, 16, 18 & 19. ADDED ITEM NUMBERS AND DATA TO ITEMS 6, 8 & 17. TABLE REFORMATTED. 4 TITLEBLOCK & DRAWING NUMBER FORMATTED 3 NEON ADDED, OTHER DATA UPDATED 2 APPLE, BANANA, CHERRY AND SULTANA REMOVED. FLOURINE AND SC/AC ADDED 1 TITLE AND NUMBER CHANGED. FIGURES REVISED	A.N.	MAY'21	A.N.	B.C.	 <b>PowerWater</b> NORTHERN TERRITORY	DES	S.WEBB	POWER STANDARD DRAWING		
	K.T.	APR'19	C.C.	C.C.		DRN	W.TAYLOR	<b>DESIGN DATA  OVERHEAD CONDUCTOR  ELECTRICAL &amp; PHYSICAL CHARACTERISTICS</b>		
	K.I.	JUN'05	C.C.	C.C.		CKD	G.SCHUBERT			
	R.G.I	NO'99	G.H.	F.R.		APPD	B.KENT			
	-	OCT'87	-	-		SCALE	N.T.S.	ISSUED	JUN'87	A3
AMENDMENTS					ALL DIM. IN mm	DRAFTING STANDARD TO A.S.1100			CAD PRODUCT - DO NOT AMEND MANUALLY	