

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	11.8	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

NOTE: THE CONDUCTOR DATA CONTAINED IN THIS DRAWING IS FOR REFERNCE PURPOSES ONLY.
PRIOR TO DESIGN, PROCUREMENT OR INSTALLATION USERS SHALL CONSULT THE CURRENT APPROVED MATRIAL LIST AND OBTAIN THE LATEST MANUFACTURER SPECIFICATIONS TO VERIFY CONDUCTOR CHARACTERISTICS, RATINGS AND SUITABILITY FOR THE PROPOSED INSTALLATION.

6 5 4 3 2 1	CHANGE KN VALUE ON IEM 6 AND ADD NOTES ADDED ITEMS 5, 10, 11, 12, 13, 14, 15, 16, 18 & 19. ADDED ITEM NUMBERS AND DATA TO ITEMS 6, 8 & 17. TABLE REFORMATTED. TITLEBLOCK & DRAWING NUMBER FORMATTED NEON ADDED, OTHER DATA UPDATED APPLE, BANANA, CHERRY AND SULTANA REMOVED. FLOURINE AND SC/AC ADDED TITLE AND NUMBER CHANGED. FIGURES REVISED	B.B.	SEPT'26	B.B.	B.C.
		A.N.	MAY'21	A.N.	B.C.
		K.T.	APR'19	C.C.	C.C.
		K.I.	JUN'05	C.C.	C.C.
		R.G.I	NO'99	G.H.	F.R.
		-	OCT'87	-	-
NO	DESCRIPTION	DRN	DATE	CKD	APPD
AMENDMENTS					

PowerWater

NORTHERN TERRITORY

DES	S.WEBB	POWER STANDARD DRAWING			
DRN	W.TAYLOR	DESIGN DATA OVERHEAD CONDUCTOR ELECTRICAL & PHYSICAL CHARACTERISTICS			
CKD	G.SCHUBER				
APPD	B.KENT				
SCALE	N.T.S.				
ISSUED	JUN'87	A3	DRAWING NUMBER	S01-04-01-08	6
ALL DIM. IN mm					
DRAFTING STANDARD TO A.S.1100		CAD PRODUCT - DO NOT AMEND MANUALLY			AMDT