

	PWC ITEM NUMBER	CODE NAME	AMBIENT TEMPERATURE							
			10°C - NIGHT				35°C - DAY			
			STILL AIR	0.5 m/s WIND	1.0 m/s WIND	2.0 m/s WIND	STILL AIR	0.5 m/s WIND	1.0 m/s WIND	2.0 m/s WIND
AAC	-	LIBRA	170	230	270	315	110	195	230	280
	2303	MARS	230	310	360	420	145	255	305	365
	2287	MERCURY	290	390	455	525	175	315	380	455
	2261	PLUTO	460	590	685	875	260	455	555	665
	503182	VENUS	1035	1275	1425	1730	540	905	1090	1405
AAAC	293522	FLUORINE	165	230	270	310	110	190	230	275
	1651	HYDROGEN	290	390	450	520	175	310	375	450
	406339	NEON	450	585	670	770	255	455	545	655
ACSR/GZ	1610	RAISIN	95	130	150	175	60	110	130	155
	2329	APPLE	155	205	240	280	100	170	205	245
	2337	BANANA	205	270	320	370	130	225	265	320
	2345	CHERRY	285	365	430	490	165	290	350	420
	208967	LIME	625	755	875	1020	335	560	680	820
	415504	MANGO	725	865	1005	1185	385	635	775	955
ACSR/AC	504206	DIVING	650	800	910	1055	350	585	710	850
AACSR/AC	227561	EUCALYPTUS	720	785	895	1040	345	570	695	840
SC/GZ	8748	3/2.75 RHL	30	45	55	65	25	40	50	60
	8730	19/2.75 RHL	105	155	170	200	75	125	150	180
SC/AC	293548	3/2.75 LHL	50	70	85	100	40	60	75	90
	206656	7/3.25 LHL	100	150	170	200	80	125	150	180

NOTES:

- THE VALUES HAVE BEEN ROUNDED OFF TO THE NEAREST 5 AMPS.
- PARAMETERS USED TO DETERMINE RATINGS:
 - DIRECT SOLAR RADITION 1000 W/sq.m
 - DIFFUSE SOLAR RADIATION 100 W/sq.m
 - EMISSIVITY CONSTANT 0.85 AND SOLAR ABSORPTION 0.85 (CORRESPONDING TO INDUSTRIAL WEATHERED CONDUCTORS) EXCEPT SC/AC WHICH IS 0.5 FOR BOTH CONSTANTS
 - GROUND REFLECTANCE OF 0.2.
- THE ASSIGNED RATINGS CORRESPOND TO A CONDUCTOR TEMPERATURE OF 75°C AT WHICH NO APPRECIABLE ANNEALING AND LOSS OF STRENGTH WILL TAKE PLACE.
- AERIAL CONDUCTORS HAVE A VERY SMALL THERMAL CAPACITY AND MAXIMUM CONDUCTOR TEMPERATURE WILL BE REACHED IN A SHORT TIME (ie IN MINUTES).
- IN APPLICATION OF THESE RATINGS, DUE CONSIDERATION SHOULD BE GIVEN TO VOLTAGE DROP LIMITATIONS AND TO ADEQUATE CLEARANCES BEING MAINTAINED FOR DESIGN PURPOSES. THE 'WORST CASE' RATINGS (ie 40°C, DAY, STILL AIR) SHOULD BE USED AS THE MAXIMUM EMERGENCY OPERATING CONDITIONS.
- 'NIGHT' CONDITIONS MAY BE USED FOR OVERCAST DAY SITUATIONS.
- AAC, SC/GZ & SC/AC CONDUCTORS ARE NOT STANDARD CONDUCTORS AND ONLY REMAIN AS HISTORICAL REFERENCE.

7 6 5 4 3 2 1	ADDED 0.5 M/S RATINGS & SC/GZ RATINGS. EDITED TITLE & NOTE 7. ADDED VENUS, DIVING, EUCALYPTUS, APPLE, BANANA, CHERRY, LIME, MANGO, & SC/AC. EDITED NOTES 1, 2, 3, & 5. CHANGED TITLE. REFORMATTED TABLE. TITLEBLOCK & DRAWING NUMBER FORMATTED NEON ADDED UPDATE HYDROGEN RATINGS TITLE CHANGED. APPLE, BANANA, CHERRY AND SULTANA REMOVED FLOURINE AND SC/AC ADDED TITLE AND NUMBER CHANGED. FIGURES REVISED	A.N.	FEB'22	A.N.	B.V.	DES	S.WEBB	POWER STANDARD DRAWING			
		A.N.	OCT'21	A.N.	B.V.	DRN	W.TAYLOR	DESIGN DATA			
		K.T.	APR'19	C.C.	C.C.	CKD	G.SCHUBERT	CURRENT CARRYING CAPACITIES OF PWC			
		C.McL	FEB'09	A.T.	A.T.	APPD	B.KENT	STANDARD OVERHEAD			
		K.I.	MAR'05	C.C.	C.C.	SCALE	JUN'87	CONDUCTORS			
		R.G.I	NOV'99	G.H.	F.R.R.	ISSUED	NO SCALE	A3	DRAWING NUMBER	S01-04-01-09	7
		H.T.	FEB'88	-	B.K.	ALL DIM. IN mm					
NO	DESCRIPTION	DRN	DATE	CKD	APPD	DRAFTING STANDARD TO A.S.1100		CAD PRODUCT - DO NOT AMEND MANUALLY		AMDT	
AMENDMENTS											



NORTHERN TERRITORY