



ITEM	UNITS	1	2
ITEM NUMBER	-	2691	2709
CONDUCTOR AREA	SQ.mm	2.5	2.5
CONDUCTOR DIAMETER	mm	1.78	1.78
CONDUCTOR STRANDING	-	7/0.67	7/0.67
RATED VOLTAGE	kV	0.6/1	0.6/1
INSULATION THICKNESS	mm	0.8	0.8
INSULATION COLOUR	-	RED	BLACK
SHEATH THICKNESS	mm	1.4	1.4
SHEATH COLOUR	-	WHITE	WHITE
OVERALL DIAMETER	mm	6.9	6.9
MAX. PULLING TENSION	N	175	175
MIN. BENDING RADIUS - DURING INSTALL	mm	41	41
MIN BENDING RADIUS - INSTALLED	mm	28	28
MASS	kg/km	73	73
NOMINAL DRUM LENGTH	m	100	100
RATED CURRENT - FREE AIR	A	30	30
RATED CURRENT - DIRECT BURIED	A	43	43
RATED CURRENT - IN DUCT	A	33	33
D.C. RESISTANCE, 20°C	Ohm/km	7.41	7.41
A.C. RESISTANCE, 90°C @ 50 Hz	Ohm/km	9.45	9.45
EQ. STAR REACTANCE @ 50Hz	Ohm/km	0.159	0.159
3ph. VOLTAGE DROP, 20°C @ 50Hz	V/A.m	0.0164	0.0164

NOTES:

- TO CONFORM TO AS 5000.1., AS 1125, AS 3808 & STSP 05-002.
- THE CABLES MUST BE PERMANENTLY MARKED WITH MANUFACTURERS IDENTIFICATION, YEAR OF MANUFACTURE, LENGTH AND VOLTAGE RATING AT INTERVALS ALONG THE OUTER PVC SHEATH OF THE CABLE.

3	SHEATH - 5V-90 PVC - WHITE
2	INSULATION - V90 PVC - RED OR BLACK
1	CONDUCTOR - COPPER, STRANDED NON-COMPACTED
TAG NUMBER	DESCRIPTION

9	EDITED NOTES 1 & 2. UPDATED IMAGERY. REFORMATTED TABLES. NOTE 1 AMENDED TO CURRENT STANDARD, ADMINISTRATIVE CHANGES TO TABLE, DRUM LENGTH DETAILS ADDED.	A.N. M.Sc.	FEB'22 MAR'20	B.V. C.C.	B.C. B.V.	DES	R.HAIGH		POWER STANDARD DRAWING	
							7	TITLEBLOCK & DRAWING NUMBER FORMATTED	K.Y.	JAN'19
6	REDRAWN IN CAD. CABLE NOTES & CABLE DETAIL UPDATED.	K.I.	FEB'05	J.D.	C.C.	CKD				
							5	TITLE & DRG NUMBER CHANGED. NOTE 1 CHANGED, NOTE 2 ADDED.	-	MAY'88
4	ITEM & ITEM NUMBER ADDED	-	JAN'87	-	-	SCALE				
							3	REDRAWN & REDESIGNED.	-	JAN'85
NO	DESCRIPTION	DRN	DATE	CKD	APPD	ALL DIM. IN mm				
AMENDMENTS						DRAFTING STANDARD TO A.S.1100		CAD PRODUCT - DO NOT AMEND MANUALLY		AMD T

PowerWater
NORTHERN TERRITORY

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