



NOTES

1.
- THE CABLES SHALL BE PERMANENTLY MARKED WITH MANUFACTURERS IDENTIFICATION, YEAR OF MANUFACTURE AND VOLTAGE RATING AT INTERVALS ALONG THE OUTER PVC SHEATH OF THE CABLE.
2.
- THE CABLE SHALL ALSO HAVE ITS LENGTH PRINTED AT INTERVALS ALONG THE SACRIFICIAL SHEATH, CONSISTING OF CONSECUTIVE NUMBERS, NOMINALLY SPACED AT ONE METRE.
3.
- CABLE TO BE WOUND ON DRUM TO ENSURE LEGIBILITY OF ABOVE INFORMATION IN NOTES 1 AND 2.
4.
- TEMPER OF THE CONDUCTOR TO BE H68, COMPACTED TO AS 1125.
5.
- EXCEPT WHERE OTHERWISE STATED, THE CABLE SHALL CONFORM TO AND BE IN ACCORDANCE WITH AS 5000.1
6.
- REFER TO SPECIFICATION STSP 02-002.
7.
- WATER BLOCKING SHALL BE ACHIEVED THROUGH THE USE OF WATER BLOCKING YARN. WATER BLOCKING POWDERS SHALL NOT BE USED.
8.
- ALL CABLES SHALL BE CAPPED AT ALL TIMES EXCEPT WHEN THE CABLE IS IN THE JOINING OR TERMINATION PROCESS. REFER TO S02-01-02-21 & S02-01-02-15 FOR CAP DETAILS.
9.
- EACH CORE OF THE QUADRUPLIX CABLE SHALL BE IDENTIFIED BY THE WORDS RED, WHITE, BLUE & NEUTRAL.
10.
- TABLE 02 VALUES ARE NOMINAL & MAY VARY BETWEEN APPROVED MANUFACTURERS. FOR SPECIFIC VALUES, REFER TO MANUFACTURERS DATA.

TABLE 01: DRAWING TAG DETAILS	
TAG REFERENCE	DESCRIPTION
1	CONDUCTOR - ALUMINIUM STRANDED AA1350 H68
2	EXTRUDED XLPE - NATURAL
3	ANTI - TERMITE JACKET - EXTRUDED NYLON 11 OR 12 - BLACK OR BLUE
4	MDPE - SACRIFICIAL SHEATH - BLACK STABILISED

TABLE 02: ITEM DETAILS		
ITEM	UNITS	NOMINAL VALUE
ITEM NUMBER	-	504979
CONDUCTOR AREA	sq.mm	240
CONDUCTOR DIAMETER	mm	18.3
INSULATION THICKNESS	mm	1.7
NYLON SHEATH THICKNESS (MINIMUM)	mm	0.5
SACRIFICIAL SHEATH THICKNESS	mm	1.7
CABLE OUTER DIAMETER (1 CORE)	mm	27.7
CABLE OUTER DIAMETER (BUNDLE)	mm	66.9
STANDARD DRUM LENGTH	m	500
CABLE MASS (BUNDLE)	kg/100m	388
CONDUCTOR FORM	-	COMPACTED, AA1350, H68 TEMPER, ROUND, WATER BLOCKED
BENDING RADIUS - DURING INSTALL (BUNDLE)	mm	1581
BENDING RADIUS - INSTALLED (BUNDLE)	mm	1017
BENDING RADIUS - INSTALLED (1 CORE)	mm	466
MAX PULLING TENSION (BUNDLE)	kN	41
CURRENT RATING - DIRECT BURIED	A	393
CURRENT RATING - IN DUCTS	A	319

						<div><div>PowerWater</div><div>NORTHERN TERRITORY</div></div>	DES	B VANDERSTELT	POWER STANDARD DRAWING			
							DRN	P BHATTARAI	CABLES			
							CKD	B VANDERSTELT	ALUMINIUM - QUADRUPLIX			
							APPD	B CHEUNG	0.6/1kV			
							SCALE	AS SHOWN	XLPE/NYLON/MDPE			
							ISSUED	FEB 2023	A3	DRAWING NUMBER	S02-01-01-43	<div><div></div><div>0</div></div>
							ALL DIM.	N mm				
									DRAFTING STANDARD TO A.S.1100	CAD PRODUCT - DO NOT AMEND MANUALLY		AMD T

0	ISSUED FOR CONSTRUCTION	P BH	FEB'23	B V	B C
NO	DESCRIPTION	DRN	DATE	CKD	APPD
AMENDMENTS					