



ITEM REF.	UNITS	1	2	3
ITEM NUMBER	-	289645	502488	502489
CONDUCTOR AREA	SQ.mm	24.0	4.00	5.00
CONDUCTOR DIAMETER	mm	20.3	26.0	29.2
INSULATION THICKNESS	mm	2.25	2.35	2.6
DIAMETER OVER INSULATION	mm	24.2	30.7	34.4
OVERALL CABLE DIAMETER	mm	27.6	34.6	38.5
CABLE LENGTH ON DRUM	m	500	250	250
MINIMUM BENDING RADIUS	mm	83	104	115
MASS OF CABLE	kg/km	234.2	379.7	477.7
CONDUCTOR FORM		Cu, PLAIN ANNEALED, FINE STRANDED FLEX, NOT TINNED		
AC RESISTANCE (50Hz, 110°C)	Ohm/km	0.105	0.0685	0.0565
CURRENT RATING SINGLE (IN AIR)	A	775	1079	1260
CURRENT RATING TREFOIL (DIRECT BURIED)	A	583	746	843
CURRENT RATING TREFOIL (IN SINGLE CONDUIT)	A	481	648	729
3PH VOLTAGE DROP TREFOIL, (50Hz, 110°C)	mV/A.m	0.235	0.187	0.172
SHORT CIRCUIT CURRENT (1 SEC)	kA	31.68	52.8	66

### NOTES:

- EXCEPT WHERE OTHERWISE SPECIFIED THE CABLE MUST COMPLY WITH AS/NZS 1125, AS/NZS 5000.1 & PWC SPECIFICATION STSP 05-002
- THE CABLE SHALL BE PERMANENTLY MARKED WITH MANUFACTURERS IDENTIFICATION, YEAR OF MANUFACTURE AND CROSS SECTIONAL AREA AT INTERVALS ALONG ITS OUTER SHEATH.
- THE CABLE SHALL ALSO HAVE CONSECUTIVE NUMBERS PRINTED ALONG ITS OUTER SHEATH NOMINALLY SPACED AT ONE METRE INTERVALS.
- THE CABLE SHALL BE WOUND ON ITS DRUM TO ENSURE THE LEGIBILITY OF NOTES 2 AND 3.
- ALL CURRENT RATINGS ARE BASED ON AS/NZS 3008.1 TABLE 9.
- SHEAR OFF LUGS AND CONNECTORS ARE NOT SUITABLE WITH THIS TYPE OF FLEXIBLE CABLE.

TAG No.	DESCRIPTION
1	CONDUCTOR - FINE STRANDED COPPER - PLAIN ANNEALED NOT TINNED
2	X-HF-110 INSULATION
3	ORANGE, LOW FRICTION OUTER JACKET PVC-90HT

NO	DESCRIPTION	DRN	DATE	CKD	APPD
3	REMOVED NOTE 5. UPDATED TABLE AND NOTE 6. ITEMS RENUMBERED.	A.N.	JUL '21	A.N.	B.V.
2	UPDATE TITLEBLOCK AND PAD DRAWING NUMBER	C.C.	APR '20	C.C.	B.C.
1	ITEM 3 ADDED	A.B.	JAN '17	I.B.	B.C.
0	ISSUED FOR CONSTRUCTION	A.T.	JUL '14	B.C.	B.C.
AMENDMENTS					

**PowerWater**  
NORTHERN TERRITORY

DES	A.TAYLOR	POWER STANDARD DRAWING		
DRN	A.TAYLOR	CABLES		
CKD	B.CHEUNG	COPPER - SINGLE CORE		
APPD	B.CHEUNG	0.6/1KV - SDI - FLEXIBLE		
SCALE	N.T.S.	110 DEGREE CELSIUS		
ISSUED	JUL '2014	A3	DRAWING NUMBER	S02-01-01-41
ALL DIM. IN	mm			
DRAFTING STANDARD TO A.S.1100		CAD PRODUCT - DO NOT AMEND MANUALLY		AMDT