



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. 25mm² AND 50mm² DRUM SIZE 900mm DIA X 600mm WIDTH. STANDARD LENGTH 185sq.m 1000m.
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 S02-1-2-21 & S02-1-2-15 FOR CAP DETAILS.

ITEM	1	2	3	4	5	
NOMINAL CONDUCTOR AREA (mm ²)	* 25	* 50	35	185	240	
NOMINAL CONDUCTOR DIAMETER (mm)	6.00	8.20	6.90	15.7	18.60	
NOMINAL INSULATION THICKNESS (mm)	1.7	1.8	1.70	2.4	2.5	
NOMINAL NYLON SHEATH THICKNESS (mm)	0.4	0.4	0.4	0.4	0.4	
NOMINAL PVC SHEATH THICKNESS (mm)	0.6	0.6	1.00	1.00	1.00	
STANDARD DRUM LENGTH (m)	500	500	1000	1000	1000	
NOMINAL MASS OF CABLE (kg/100m)	16	24	22.5	76.4	96.3	
GROSS MASS OF STANDARD DRUM LENGTH (tonne)	0.19	0.27	0.267	0.864	1.109	
CONDUCTOR FORM	ALUMINIUM COMPACTED CIRCULAR		WATER BLOCKED ALUMINIUM COMPACTED CIRCULAR REFER NOTE 7			
STOCK CODE	BLACK 9340	BLACK 9373	RED 406850	BLACK 406853	BLACK 9316	BLACK 401015
MINIMUM NUMBER OF WIRES (mm)	6	6	7	36	36	
CONDUCTOR HARDNESS	REFER TO NOTE 4					

* STOCK CODES 9340 (25mm²) & 9373 (50mm²) LISTED FOR SPARES ONLY AS OF 04.09.84.

4	BLACK PVC SACRIFICIAL SHEATH
3	ANTI-TERMITE JACKET - EXTRUDED NYLON 11 OR 12 NATURAL (BLACK)
2	CROSS LINKED POLYETHYLENE INSULATION BLACK
1	CONDUCTOR - ALUMINIUM STRANDED
TAG NO	DESCRIPTION

NO	DESCRIPTION	DRN	DATE	CKD	APPD
24	NOTE 8 ADDED	P.H.	DEC'17	BC	SC
23	NOTE 7 ADDED	A.T.	JUN'11	BC	SC
22	FIXED TEXT ALIGNMENT	C.W.M.	MAR'10	BC	SC
21	UPDATED TO AS 5000.1	C.W.M.	DEC'09	BC	SC
20	NYLON JACKET AMENDED - ITEM 3	J.C.	NOV'08	BC	SC
19	STOCK CODES ADDED	AS	NOV'06	BC	SC
AMENDMENTS					

PowerWater

DES	D.BIRKETT	POWER STANDARD DRAWING			
DRN	S.JACKSON	CABLES ALUMINIUM - SINGLE CORE			
CKD	J.HASSANEN	0.6/1kV XLPE			
APPD	-				
SCALE	N.T.S.				
ISSUED	MAR'80	A3	DRAWING NUMBER	S2-1-1-19	
ALL DIM. IN	mm			CAD PRODUCT - DO NOT AMEND MANUALLY	
DRAFTING STANDARD TO A.S.1100				AMDT	