



TAG No.	DESCRIPTION	
1	CONDUCTOR - COPPER - WATER BLOCKED	
2	EXTRUDED SEMI - CONDUCTIVE SCREEN BONDED TO INSULATION-NON FREE STRIPPABLE	
3	CROSS LINK POLYTHELENE INSULATION (DRY CURED)	
4	EXTRUDED FREE STRIPPING SEMI-CONDUCTIVE MATERIAL	
5	WATER BLOCKING TAPE	
6	CONCENTRIC NUTRAL SCREEN-COPPER	
7	FLIIR &	
8	BINDER	
9	HDPE SHEATHED OR	
10	ANTI - TERMITE JACKET EXTRUDED NYLON 11 OR 12 (CLEAR)	PVC SHEATH
11	SACRIFICIAL PVC SHEATH (BLACK)	OR HDPE SHEATH IMPREGNATED WITH TERMITEX

NOTES:

- EXCEPT WHERE OTHERWISE SPECIFIED THE CABLE SHALL COMPLY WITH AS1429.
- THE CABLE SHALL BE PERMANENTLY MARKED WITH MANUFACTURERS IDENTIFICATION, YEAR OF MANUFACTURE AND VOLTAGE RATING AT INTERVALS ALONG THE OUTER PVC SHEATH OF THE CABLE.
- THE CABLE SHALL ALSO HAVE ITS LENGTH PRINTED AT INTERVALS ALONG THE SHEATH, CONSISTING OF CONSECUTIVE NUMBERS, NOMINALLY SPACED AT ONE METRE.
- THE CORE OF CABLE SHALL BE IDENTIFIED BY THE NUMBERS 1 (ONE), 2 (TWO), 3 (THREE) PRINTED AS NUMERALS AND WORDS ON THE OUTER SURFACE OF EACH CORE.
- CABLE TO BE WOUND ON DRUM IN SUCH A FASHION AS TO ENSURE LEGIBILITY OF ABOVE INFORMATION IN NOTES 2 AND 3.
- THE CABLE MUST BE 'DRY CURED' (IN LIEU OF 'STEAM CURING').

ITEM NUMBER	UNITS	
ITEM NUMBER	-	501840
CONDUCTOR AREA (NOMINAL)	sq.mm	300
CONDUCTOR DIAMETER (NOMINAL)	mm	20.8
INSULATION THICKNESS (NOMINAL)	mm	3.4
SEMICON THICKNESS (NOMINAL) - CONDUCTOR SCREEN	mm	29.2
SEMICONTHICKNESS (NOMINAL) - CONDUCTOR SCREEN	mm	0.8
SEMICON THICKNESS (NOMINAL) - INSULATION SCREEN	mm	0.8
NEUTRAL SCREEN AREA (MINIMUM)	sq.mm	90
NUMBER AND DIAMETER OF SCREEN WIRES (MINIMUM)	No/mm	36/1.04
HDPE SHEATH THICKNESS (NOMINAL) - INNER	mm	4.1
DIAMETER OVER HDPE SHEATH (NOMINAL)	mm	45
NYLON JACKET THICKNESS (NOMINAL)	mm	0.4
PVC SHEATH THICKNESS (MINIMUM) - OUTER	mm	1.26
OVERALL DIAMETER OF CABLE (NOMINAL)	mm	80.4
CABLE LENGTH ON DRUM (NOMINAL)	m	500
CONDUCTOR FORM	COMPACTED COPPER..ROUD WATER BLOCKED	
A.C. RESISTANCE 50 HZ - 90 DEG C	Ohm/km	0.0797
INDUCTIVE REACTANCE	Ohm/km	0.283
SCREEN FAULT CURRENT CARRYING CAPACITY FOR 1 SEC	kA	13.2
CURRENT CARRYING CAPACITY DIRECT IN GROUND	A	530
CURRENT CARRYING CAPACITY IN AIR	A	590
CURRENT CARRYING CAPACITY UNDER GROUND DUCTS	A	460

NOT FOR NEW CONSTRUCTION

NO	DESCRIPTION	DRN	DATE	CKD	APPD
6	NOT FOR NEW CONSTRUCTION	C.C.	SEP'19	B.V.	B.C.
5	TAG 5 WATER BLOCKING TAPE TO UNDER E/S	C.C.	SEP'14	B.C.	B.C.
4	STOCK CODE ADDED	C.C.	APR'11	A.T.	B.C.
3	WATER BLOCKING TAPE MOVED TO OUT SIDE OF EARTH SCREEN	J.C.	MAY'10	A.T.	J.C.
1	NEW ITEM/UNITS LIST AND NOTES	K.I.	DEC'04	R.C.	C.C.
0	ISSUED FOR CONSTRUCTION	A.S.	APR'04	R.C.	M.B.
AMENDMENTS					



DES		POWER STANDARD DRAWING	
M. BOCK		CABLES - COPPER - 3 CORE	
A. SCHMID		6.35/11kV - XLPE - HDPE SHEATHED	
R. CLEOPAS		ANTI TERMITE	
M. BOCK			
N.T.S.			
APRIL 2004		A3	DRAWING NUMBER S02-01-01-31
ALL DIM. IN mm			
DRAFTING STANDARD TO A.S.1100		CAD PRODUCT - DO NOT AMEND MANUALLY	

