



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 BEDDING TAPE
6	CONCENTRIC NUTRAL SCREEN-COPPER
7	UV STABILIZED HDPE SHEATH REFER NOTE 7
8	SUPPORT WIRE 19/2.00MM STEEL

ITEM NUMBER	UNITS	
STOCK CODE		
CONDUCTOR AREA (NOMINAL)	sq.mm	50
CONDUCTOR DIAMETER (NOMINAL)	mm	8.1
INSULATION THICKNESS (NOMINAL)	mm	5.5
DIAMETER OVER INSULATION (NOMINAL)	mm	20.5
SEMICON THICKNESS (NOMINAL) - CONDUCTOR SCREEN	mm	0.6
SEMICON THICKNESS (NOMINAL) - INSULATION SCREEN	mm	0.6
NEUTRAL SCREEN AREA	sq.mm	33
NUMBER AND DIAMETER OF SCREEN WIRES	No/mm	23/1.35
HDPE SHEATH THICKNESS (NOMINAL) - INNER	mm	1.8
DIAMETER OVER HDPE SHEATH (NOMINAL)	mm	30.5
FOR WIND LOAD	mm	66
CABLE LENGTH ON DRUM (NOMINAL)	m	500
CONDUCTOR FORM	COMPACTED COPPER, ROUND, WATER BLOCKED	
A.C. RESISTANCE 50 HZ - 90 DEG C	Ohm/km	0.822
INDUCTIVE REACTANCE	Ohm/km	X
SCREEN FAULT CURRENT CARRYING CAPACITY FOR 1 SEC	kA	8
CURRENT CARRYING CAPACITY IN AIR AT 40°C	A	185
APPROX. MASS OF CABLE	KG/KM	3320

NOTES

- EXCEPT WHERE OTHERWISE SPECIFIED THE CABLE SHALL COMPLY WITH AS3599.1
- THE CABLE SHALL BE PERMANENTLY MARKED WITH THE MANUFACTURERS IDENTIFICATION, YEAR OF MANUFACTURER AND VOLTAGE RATING AT INTERVALS ALONG THE HDPE SHEATH.
- THE CABLE SHALL ALSO HAVE IT'S LENGTH PRINTED ALONG THE SHEATH, CONSISTING OF CONSECUTIVE NUMBERS, NOMINALLY SPACED AT ONE METER. EACH CORE OF THE CABLE SHALL BE IDENTIFIED BY THE NUMBERS 1 (ONE), 2 (TWO), 3 (THREE) PRINTED AS NUMERALS AND WORDS ON THE OUTER SHEATH OF EACH CORE.
- CABLE SHALL BE WOUND ON THE DRUM IN SUCH A FASHION AS TO ENSURE LEGIBILITY OF ABOVE INFORMATION IN NOTES 2 AND 3.
- THE CABLE SHALL BE 'DRY CURED' (IN LIEU OF 'STEAM CURING').
- SUPPORT WIRE SHALL BE GALVANIZED STEEL UNLESS OTHERWISE SPECIFIED.
- OUTER HDPE SHEATH SHALL CONTAIN A MINIMUM OF 2% CARBON BLACK WITH DISPERSION OF <5 AS PER AS1660.2.4
- HYDROSCOPIC YARN SHALL BE USED FOR CONDUCTOR CORE WATER BLOCKING

						DES	A. TAYLOR	POWER STANDARD DRAWING		
						DRN	C. COPPINS	CABLES HV ABC COPPER		
						CKD	A. TAYLOR	12.7/22 kV		
						APPD	B. CHEUNG			
						SCALE	N.T.S.	A3	DRAWING NUMBER	S04-01-01-03
						ISSUED	MARCH '12			
						ALL DIM.	IN mm			
						DRAFTING STANDARD TO A.S.1100			CAD PRODUCT - DO NOT AMEND MANUALLY	
1	TITLEBLOCK & DRAWING NUMBER FORMATTED	K.T.	JAN'20	C.C.	C.C.					
NO	DESCRIPTION	DRN	DATE	CKD	APPD					
AMENDMENTS										