



ITEM NUMBER	units	1		
STOCK CODE	-	411618		
Conductor Area (nominal)	sq. mm	240		
Conductor Diameter (MAXIMUM)	mm	18		
Semicon Thickness (nominal)-conductor screen MIN 0.3	mm	0.8		
Insulation Thickness (nominal)	mm	5.5		
Diameter over Insulation (nominal)	mm	31.8		
Semicon Thickness (nominal)-insulation screen	mm	1.0		
Neutral Screen Area (minimum)	sq. mm	90		
Number and Diameter of screen wires (minimum)	N°/mm	49/1.53		
SCREEN PHASE TO EARTH		H.DUTY		
3 PHASE FAULT RATING FOR 1 SECOND	kA	13.1		
NOMINAL THICKNESS HDPE SHEATH (INNER) MIN 1.8	mm	2.1		
Diameter over HDPE Sheath (nominal)	mm	42.8		
NOMINAL NYLON JACKET THICKNESS	mm	0.5		
PVC Sheath Thickness (MINIMUM) - outer	mm	1.0		
Overall Diameter of cable (nominal)	mm	46.6		
Cable Length on Drum (nominal)	m	500		
Conductor Form	Compacted, ALUMINIUM, Round, WATER BLOCKED			
NOMINAL CABLE CURRENT RATING	IN AIR	A	420	
	DIRECT IN GROUND	A	370	
	UNDER GROUND DUCTS	A	325	

TAG No.	DESCRIPTION
1	CONDUCTOR - ALUMINIUM - WATER BLOCKED
2	EXTRUDED SEMI-CONDUCTIVE SCREEN BONDED TO INSULATION - NON-FREE STRIPPABLE
3	CROSS LINKED POLYETHYLENE INSULATION (DRY CURED)
4	EXTRUDED FREE STRIPPING SEMI-CONDUCTIVE MATERIAL
5	WATER BLOCKING TAPE
6	CONCENTRIC NEUTRAL SCREEN COPPER
7	HDPE SHEATH
8	ANTI-TERMITE JACKET - EXTRUDED NYLON 11 OR 12 - COLOUR NATURAL (CLEAR)
9	SACRIFICIAL PVC SHEATH - COLOUR BLACK

NOTES :

- EXCEPT WHERE OTHERWISE SPECIFIED THE CABLE SHALL COMPLY WITH AS 1429.
- 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.
- 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').
- CABLE RATINGS ARE FOR TRIFOIL CONFIGURATION WITH EARTH SCREENS BONDED AT BOTH ENDS.

0	ISSUED FOR CONSTRUCTION	J.C	SEP '11	B.C.	S.C.
NO	DESCRIPTION	DRN	DATE	CKD	APPD
AMENDMENTS					



DES	-	POWER STANDARD DRAWING		
DRN	JAL	CABLES ALUMINIUM - SINGLE CORE 12.7/22KV - XLPE WATER BLOCKED HDPE SHEATHED & NYLON JACKETED		
CKD	SCM			
APPD	PJD			
SCALE	no scale			
ISSUED	JUL '95	A3	DRAWING NUMBER	S2-1-1-38
ALL DIM. IN mm				
DRAFTING STANDARD TO A.S.1100		CAD PRODUCT - DO NOT AMEND MANUALLY		AMDT