



TAG No.	DESCRIPTION
1	CONDUCTOR - COPPER
2	CONDUCTOR SCREEN-EXTRUDED SEMI CONDUCTIVE SCREEN BONDED TO INSULATION NON FREE STRIPPABLE
3	CABLE INSULATION CROSS LINKED POLYETHYLENE INSULATION
4	INSULATION SCREEN EXTRUDED-FREE STRIPPING - SEMI-CONDUCTIVE MATERIAL
5	CONCENTRIC NEUTRAL SCREEN COPPER
6	PVC SHEATH - HEAVY DUTY V90
7	ANTI-TERMITE JACKET EXTRUDED NYLON 11 OR 12 COLOUR NATURAL (CLEAR)
8	SACRIFICIAL PVC SHEATH-BLACK

NOTES :

- EXCEPT WHERE OTHERWISE SPECIFIED THE CABLE SHALL CONFORM AND BE IN ACCORDANCE 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.

ITEM NUMBER	units	1	2	3	
STOCK CODE	-	232074	232082	232090	
Conductor Area (nominal)	sq. mm	35	120	240	
Conductor Diameter (MAXIMUM)	mm	7.2	13.5	19.2	
Semicon Thickness (nominal)-conductor screen MIN 0.3	mm	0.8	0.8	0.8	
Insulation Thickness (nominal)	mm	5.5	5.5	5.5	
Diameter over Insulation (nominal)	mm	19.8	26.1	31.8	
Semicon Thickness (nominal)-insulation screen	mm	0.8	1.0	1.0	
Neutral Screen Area (minimum)	sq. mm	20	90	90	
Number and Diameter of screen wires (minimum)	Nº/mm	36/0.85	40/1.70	40/1.70	
SCREEN PHASE TO EARTH		L.DUTY	H.DUTY	H.DUTY	
3 PHASE FAULT RATING FOR 1 SECOND	kA	3.0	13.1	13.1	
NOMINAL THICKNESS PVC SHEATH (INNER) MIN 1.8	mm	1.8	1.9	2.1	
Diameter over PVC Sheath (nominal)	mm	27.5	35.5	41.8	
NOMINAL NYLON JACKET THICKNESS	mm	0.4	0.5	0.5	
NOMINAL PVC Sheath Thickness - outer	mm	0.5	1.0	1.0	
Overall Diameter of cable (nominal)	mm	29.3	38.5	44.8	
Cable Length on Drum (nominal)	m	1000	1000	500	
Conductor Form	Compacted, COPPER, Round				
NOMINAL CABLE CURRENT RATING	IN AIR	A	180	375	560
	DIRECT IN GROUND	A	170	335	475
	UNDER GROUND DUCTS	A	170	305	415

2	REDRAWN ON CAD. NOTE ADDED: DRAWING SUPERCEDED BY S02-1-1-26	RG1	APR '01	MWB	FRR
1	NOTE 4 AMMENDED. STOCK CODES ADDED	B.G.	MAR '90	...	N.S.
NO	DESCRIPTION	DRN	DATE	CKD	APPD
AMENDMENTS					



DES	-	POWER STANDARD DRAWING		
DRN	G.L.	CABLES COPPER - SINGLE CORE • 12.7/22KV XLPE - NYLON JACKETED		
CKD	BMW			
APPD	B.T.KENT			
SCALE	no scale			
ISSUED	AUG '89	A3	DRAWING NUMBER	S02-1-1-07
ALL DIM.	IN mm			
DRAFTING STANDARD TO A.S.1100		CAD PRODUCT - DO NOT AMEND MANUALLY		AMDT