



NOTES:

1. EXCEPT WHERE OTHERWISE SPECIFIED THE CABLE SHALL COMPLY WITH AS1429.
2. THE CABLE SHALL BE PERMANENTLY MARKED WITH MANUFACTURERS IDENTIFICATION, YEAR OF MANUFACTURE, VOLTAGE RATING, CONDUCTOR MATERIAL AND CROSS SECTIONAL AREA, INSULATION MATERIAL AND TERMITE PROTECTION AT INTERVALS ALONG ITS OUTER SHEATH.
3. THE CABLE SHALL ALSO HAVE CONSECUTIVE NUMBERS PRINTED ALONG ITS OUTER SHEATH NOMINALLY SPACED AT ONE METER INTERVALS.
4. EACH CORE OF THE TRIPLEX CABLE SHALL BE IDENTIFIED BY THE NUMBERS 1 (ONE), 2 (TWO), 3 (THREE) PRINTED AS NUMERALS AND WORDS ON THE OUTER SHEATH.
5. THE CABLE SHALL BE WOUND ON ITS DRUM TO ENSURE THE LEGIBILITY OF NOTES 2 AND 3.
6. THE CABLE SHALL BE "DRY CURED".
7. ALL CABLES SHALL BE FITTED WITH MASTIC LINED HEATSHRINK END CAPS AT ALL TIMES EXCEPT WHEN THE CABLE IS IN THE JOINING OR TERMINATION PROCESS.

ITEM NUMBER	UNITS	1
STOCK CODE	-	501798
CONDUCTOR AREA	sq.mm	500
CONDUCTOR DIAMETER	mm	26.6
CONDUCTOR SCREEN SEMI-CON	mm	0.8
INSULATION THICKNESS	mm	3.4
DIAMETER OVER INSULATION	mm	35.3
INSULATION SCREEN SEMI-CON	mm	0.6
EARTH SCREEN AREA	sq.mm	90
EARTH SCREEN STRANDING	No/mm	50/1.5
EARTH SCREEN FAULT RATING	KA.1sec	13.1
WATER BLOCKING TAPE THICKNESS	mm	0.3
HDPE SHEATH THICKNESS	mm	-
DIAMETER OVER HDPE	mm	-
NYLON SHEATH THICKNESS	mm	0.4
PVC SHEATH THICKNESS	mm	1.6
OVERALL CABLE DIAMETER	mm	103
CABLE LENGTH ON DRUM	M	460
BENDING RADIUS DURING INSTALL	mm	1560
BENDING RADIUS INSTALLED	mm	1040
WEIGHT OF CABLE	KG/KM	18944
CONDUCTOR FORM	COMPACTED COPPER, ROUND, WATER BLOCKED	
AC RESISTANCE@ 50HZ, 90°C	Ohm/km	0.0504
INDUCTIVE REACTANCE	Ohm/km	0.102
POSITIVE SEQUENCE CAPACITANCE	uF/Km	0.650
ZERO SEQUENCE RESISTANCE	Ohm/km	0.321
ZERO SEQUENCE REACTANCE	Ohm/km	0.0408
CURRENT RATING IN GROUND	A	646
CURRENT RATING IN AIR	A	820
CURRENT RATING IN DUCTS	A	523
3Ø VOLTAGE DROP@ 50Hz, 90°C	mV/A.M	-

TAG No.	DESCRIPTION
1	CONDUCTOR - COMPACTED COPPER - 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 HELICAL EARTH SCREEN - COPPER
7	HDPE SHEATH
8	ANTI-TERMITE JACKET - EXTRUDED NYLON 11 OR 12
9	SACRIFICIAL PVC SHEATH V-90 - COLOUR BLACK

0	ISSUED FOR CONSTRUCTION	C.M.	DEC'13	A.T.	B.C.
NO	DESCRIPTION	DRN	DATE	CKD	APPD
AMENDMENTS					



DES	B.CHEUNG
DRN	C.McLAREN
CKD	A.TAYLOR
APPD	B.CHEUNG
SCALE	N.T.S.
ISSUED	DEC 2013
ALL DIM.	IN mm
DRAFTING STANDARD TO A.S.1100	

POWER STANDARD DRAWING	
CABLES COPPER - TRIPLEX 6.35/11KV - XLPE - WATER BLOCKED HDPE SHEATHED NYLON JACKETED	
A3	DRAWING NUMBER S02-1-1-40
CAD PRODUCT - DO NOT AMEND MANUALLY	

