



ITEM	UNITS	1
ITEM NUMBER	-	501798
CONDUCTOR AREA	SQ.mm	500
CONDUCTOR DIAMETER	mm	26.6
CONDUCTOR SCREEN SEMI-CON MIN.	mm	0.8
XLPE INSULATION THICKNESS	mm	3.4
DIAMETER OVER XLPE INSULATION	mm	35.3
INSULATION SCREEN SEMI-CON MIN.	mm	0.6
WATER BLOCKING TAPE THICKNESS MIN.	mm	0.3
EARTH SCREEN AREA	SQ.mm	90
EARTH SCREEN FAULT RATING	kA.1s	13.1
PVC SHEATH THICKNESS	mm	1.6
DIAMETER OVER PVC	mm	39.16
NYLON SHEATH THICKNESS MIN.	mm	0.5
HDPE SHEATH THICKNESS	mm	2
OVERALL CABLE DIAMETER	mm	44.7
CABLE LENGTH ON DRUM	m	460
BENDING RADIUS DURING INSTALL	mm	1560
BENDING RADIUS INSTALLED	mm	1040
MASS OF CABLE	kg/km	1780
CONDUCTOR FORM	-	COMPACTED COPPER, ROUND, C11000 'O', 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 - DIRECT BURIED	A	646
CURRENT RATING - IN DUCTS	A	523
CURRENT RATING - IN AIR	A	820
3PH VOLTAGE DROP @ 50Hz, 90°C	mV/A.m	-

NOTES:

- EXCEPT WHERE OTHERWISE SPECIFIED THE CABLE SHALL COMPLY WITH AS1429.
- THE CABLE SHALL BE PERMANENTLY MARKED WITH MANUFACTURERS IDENTIFICATION, YEAR OF MANUFACTURE, VOLTAGE RATING, CONDUCTOR MATERIAL AND CROSS SECTION AREA, INSULATION MATERIAL AT INTERVALS ALONG ITS OUTER SHEATH.
- THE CABLES SHALL ALSO HAVE CONSECUTIVE NUMBERS PRINTED ALONG ITS OUTER SHEATH NOMINALLY SPACED AT ONE METER INTERVALS.
- 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.
- THE CABLE SHALL BE WOUND ON ITS DRUM TO ENSURE LEGIBILITY OF NOTES 2 AND 3.
- THE CABLE SHALL BE "DRY CURED".
- ALL CABLES SHALL BE FITTED WITH MASTIC LINED HEATSHRINK END CAPS AT ALL TIMES EXCEPT WHEN THE CABLES IS IN THE JOINTING OR TERMINATION PROCESS.
- MEASUREMENTS ARE NOMINAL UNLESS STATED OTHERWISE.
- REFER TO STSP 02-003 FOR FURTHER DETAILS.

9	SACRIFICIAL UV STABILISED HDPE SHEATH - COLOUR BLACK
8	ANTI-TERMITE JACKET - EXTRUDED NYLON 11 OR 12 CONTRASTING COLOUR (BLUE)
7	V-90 PVC SHEATH - COLOUR ORANGE
6	CONCENTRIC HELICAL EARTH SCREEN - COPPER C11000 'O'
5	SEMI-CONDUCTIVE WATER BLOCKING TAPE
4	EXTRUDED FREE STRIPPING SEMI-CONDUCTIVE MATERIAL
3	CROSS-LINKED POLYETHYLENE (XLPE) INSULATION - DRY CURED
2	EXTRUDED SEMI-CONDUCTIVE SCREEN BONDED TO INSULATION - NON-FREE STRIPPABLE
1	CONDUCTOR - COPPER C11000 'O' - WATER BLOCKED
TAG NUMBER	DESCRIPTION

1	REFORMATTED TABLES, ADDED MISSING INFORMATION. UPDATED TITLEBLOCK. SUPERSEDED TO S02-01-01-42.	A.N.	SEP'21	A.N.	B.V.
0	ISSUED FOR CONSTRUCTION	C.M.	DEC'13	A.T.	B.C.
NO	DESCRIPTION	DRN	DATE	CKD	APPD
AMENDMENTS					



DES	B.CHEUNG	POWER STANDARD DRAWING		
DRN	C.McLAREN	CABLES COPPER - TRIPLEX 6.35/11KV - XLPE - WATER BLOCKED HDPE SHEATHED NYLON JACKETED		
CKD	A.TAYLOR			
APPD	B.CHEUNG			
SCALE	N.T.S.			
ISSUED	DEC 2013	A3	DRAWING NUMBER	S02-01-01-40
ALL DIM. IN mm				
DRAFTING STANDARD TO A S 1100		CAD PRODUCT - DO NOT AMEND MANUALLY		AMDT