

SPECIFICATION FOR LOW VOLTAGE OVER HEAD CONDUCTORS

AS 3560 - ELECTRIC CABLES - XLPE INSULATED - AERIAL BUNDLED
FOR WORKING VOLTAGE UP TO 0.6/1KV

AS 3766 - MECHANICAL FITTING FOR LOW VOLTAGE AERIAL BUNDLED CABLES

AS 1222 - STEEL CONDUCTORS AND STAY - BARE OVER HEAD

AS 3607 - CONDUCTORS - BARE OVER HEAD, ALUMINIUM, ALUMINIUM ALLOY
STEEL REINFORCED

AS 1531 - CONDUCTORS, BARE OVER HEAD, ALUMINIUM, ALUMINIUM ALLOY.

GROUND CLEARANCES FOR NEW L.V AERIAL CONDUCTORS

- OVER THE CARRIAGE WAY OF ROADS - 6 METRES
- OVER GROUND OTHER THAN THE CARRIAGE WAY OF ROAD - 6 m
- OVER GROUND WHICH BY IT'S NATURE CAN NOT BE TRAVERSED BY VEHICLE OR
MOBILE PLANT - 9m

CLEARANCE OF L.V CABLE FROM STRUCTURES

LOCATION	MINIMUM CLEARANCE	
	ABC	BARE
VERTICALLY ABOVE ANY STRUCTURE	2.7m	3.7m
VERTICALLY ABOVE STRUCTURE WHERE PERSON CAN STAND	0.1m	2.7
IN ANY DIRECTION FROM ANY RADIO TV AERIAL	0.1m	1.5
IN ANY DIRECTION FROM THOSE PARTS OF ANY STRUCTURE NOT NORMALLY ACCESSIBLE TO PERSONS	0.1m	0.6m

ABC - AERIAL BUNDLED CONDUCTOR.

FITTINGS

BI METALLIC COMPRESSION LUGS

PRE INSULATED SLEEVE

JOINT, CONDUCTOR SIZE, CEMBRE DIE SIZE, NO. OF CRIMPS ARE ALSO TO BE MENTIONED FOR LUG & SLEEVES.

ET

LUGS

HEAT SHRINK 95mm² LV ABC

MZLS-SO (DIE) , 1 (CRIMP)

SLEEVES

HEAT SHRINK 95mm² ABC 1 EACH

ERECTOR

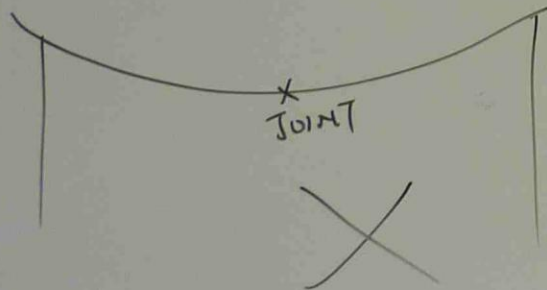
PULLING TENSION MUST NOT EXCEED 4 kN

IMMEDIATE SUPPORT

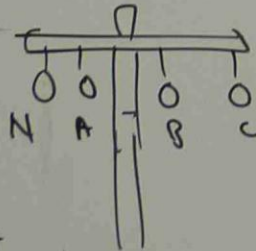
ANGLE OF DEVIATION

MID SPAN JOINT

MUST BE AVOIDED

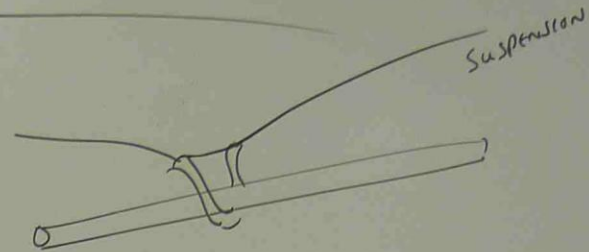


PHASING

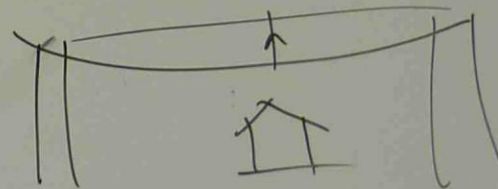


FOOT PATH

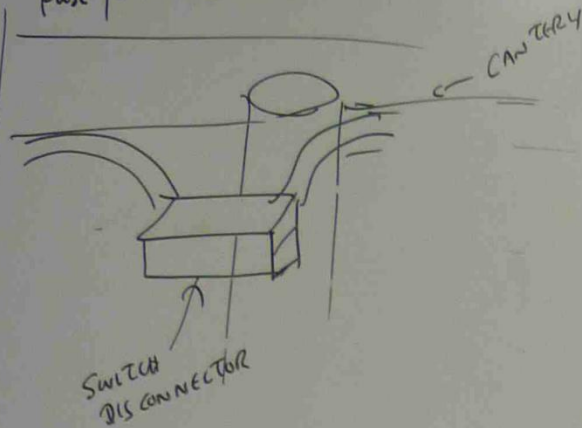
L.V. SUSPENDED SERVICES



SUSPENDED SERVICES MAY BE USED WHERE CONSUMER POLES CAN NOT BE USED FOR A THREE BLOCK SPACING, FOR NARROW FRONTAGE BLOCKS, (OR) TO AVOID PROPERTY CROSSING



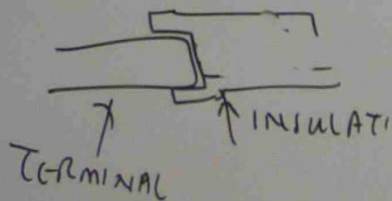
FUSE / LINK DISCONNECTOR



A FUSE / LINK SWITCH DISCONNECTOR
CAN BE INSTALLED EITHER AS A
LINK SWITCH (OR) AS A FUSE SWITCH

EACH UNIT INCLUDES

- A POLE MOUNTING BRACKET
- A SET OF 3, 630A LINK BLADES
- A LINK STORAGE KIT



BUT THE INSULATION
FIRMLY AGAINST THE
TERMINAL BLOCKS
INCLUDE LOOP IN THE
CONDUCTOR NEAR TERMINATION

PROVING DE-ENERGISED

LOW VOLTAGE ABC NEED NOT BE TESTED TO PROVE
IT DE-ENERGISED PROVIDED THAT

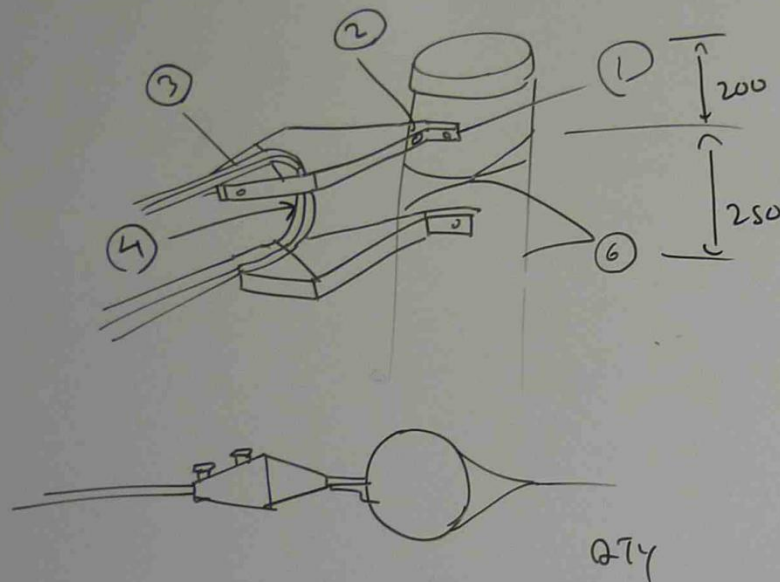
- NO CONTACT WILL BE MADE WITH ANY CONDUCTOR
WHEN WORKING ON CABLE
- PRECAUTIONS ARE TAKEN TO MAKE SURE NO
ELECTRICAL CONNECTION WILL BE MADE WITHOUT
TESTING FOR POSSIBLE CURRENT FLOW.

LIVE WIRE

ENERGY AUSTRALIA WORKING PROCEDURE.

Ex

WRITE THE SPECIFICATION FOR INSTALLATION OF GIVEIN L.V CONDUCTOR FROM WHICH CONSUMER SERVICE MAIN IS TO BE ATTACHED. CLEARANCE FROM FOOT PATH AND APPROPRIATE TERMINATION PROCEDURES ARE TO BE FOLLOWED.



- ① Bolt and nut Hex M 20 - 1
- ② Termination Bracket - 2
- ③ Strain clamp - 2
- ④ Compression sleeve 95mm^2 - 4
 150mm^2 - 4
- ⑤ Heat sink, cable, cap - 4
- ⑥ Stay (if required)

SPECIFICATION

THE CONTRACTOR NEED TO INSTALL THE SERVICE BY REFERRING THE PROVIDED DIAGRAM AND MATERIAL LIST

FITTINGS

FITTINGS NEED TO COMPLY WITH

AS 3766 MECHANICAL FITTING FOR LOW VOLTAGE AERIAL BUNDLED CABLE

- PRE INSULATED SLEEVES NEED TO BE USED.
- LUGS MUST BE HEAT SHRINK, 95mm^2 L.V M215-50 CAMBRE DIE
- L.V SUSPENSION MUST BE PROVIDED AS NECESSARY
- THE CLEARANCE OF L.V CABLE FROM STRUCTURES MUST BE FOLLOWED AS PER ATTACHED TABLE.

CLEARANCE OF L.V CABLE FROM STRUCTURES

LOCATION	MINIMUM CLEARANCE	
	ABC	BARE
VERTICALLY ABOVE ANY STRUCTURE	2.7m	3.7m
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ABC - AERIAL BUNDLED CONDUCTOR

FUSE LINK & DISCONNECTOR MUST CONSIST OF

- A POLE MOUNTING BRACKET
- A SET OF 3, 630A LINK BLADE
- A LINK STORAGE KIT

RELEVANT ENERGY AUSTRALIA'S DISCHARGE & LIVE CONDUCTOR WORKING PROCEDURES MUST BE FOLLOWED.

CONSIST OF

INK BLADE

CHARGE & LIVE
MUST BE FOLLOWED.

PURCHASING

MATERIAL ACCOUNT IS 50 → 70 % OF MOST ELECTRICAL PROJECTS.

PURCHASING IS A VERY IMPORTANT FUNCTION

STEP FOR PURCHASING

- ① VERIFY THAT YOUR MATERIAL LIST IS CORRECT
- ② MAKE PHOTO COPY OF YOUR ESTIMATE SHEET
(COVER UP PRICE & LABOUR FIGURES)
- ③ BREAK DOWN YOUR MATERIAL LIST INTO SECTIONS.
- ④ GIVE COPIES OF THE MATERIAL LIST TO YOUR LOCAL SUPPLIERS
- ⑤ ISSUE PURCHASE ORDERS TO LOW BIDDERS PROVIDED
THEY CAN GIVE YOU THE PROPER MATERIALS AND
DELIVER THEM ON TIME

PURCHASE ORDER

To - MOMENTUM SUPPLY

SHIP TO - SYDNEY INS

SHIPPING INSTRUCTION DELIVER A

DELIVER THE FOLLOWING

{ PRICE INFORMATION
DELIVERY PROCEDURES
ALL MATERIALS TO BE

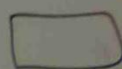
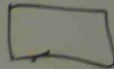
LIST

X 12 THIN COPPER

X 10 THIN COPPER

SUBMIT INVOICE

BEARING THIS P.O. NO



RECEIVED

PURCHASE ORDER

To - MOMENTUM SUPPLY CO

DATE 11/08/10

SHIP TO - SYDNEY INSTITUTE

SHIPPING INSTRUCTION DELIVER AS DIRECTED

DELIVER THE FOLLOWING _____ AS SPECIFIED HEREIN

{ PRICE INFORMATION
DELIVERY PROCEDURES
ALL MATERIALS TO BE DELIVERED TO K2-11 ETC }

LIST

X12 THIN COPPER WIRE 200m

X10 THIN COPPER WIRE 300m

SUBMIT INVOICE

BEARING THIS P.O NUMBER

COMPANY NAME BY _____

RECEIVED AND ACKNOWLEDGED BY _____ DATE _____

① GETTING SUBMITTAL

THIS IS VERY IMPORTANT ESPECIALLY FOR CONTRACT.

INCORRECT COR/ LATE SUBMITTAL CAN CAUSE EXPENSIVE DELAYS.

② DELIVERY SCHEDULE

MAKE SURE YOUR SALES PERSON TO CALL THE FACTORY TO VERIFY DELIVERY DATES.

③ AVOID BACK ORDER

DAILY DIARY

NAME _____

DATE _____

MEN WORKING _____

DELIVERIES _____

COMMENTS _____

JOB NAME _____

JOB NUMBER _____

WEATHER _____

INSPECTIONS _____