

INSTALLATION INSTRUCTION

SINGLE CORE TERMINATION (INDOOR)**6SIT for 1C X UPTO 300sqmm Power Armoured/Unarmoured Cable**

The termination is designed for use on solid dielectric (XLPE/EPR) cable, with a copper or tinned copper metallic shielding and an extruded insulation shield. (semi-conductive screen)

DANGER

All apparatus must be de-energized during installation or removal of parts.

Do not touch or move energized products by hand.

Excess distortion of the assembled product may result in its failure.

Inspect parts for damage, rating and compatibility with mating parts.

This product should be installed only by competent personnel trained in good safety practices involving high voltage electrical equipment.

This instruction is not intended as a substitute for adequate training or experience in such safety practices.

This instruction does not attempt to provide for every possible contingency.

Failure to follow this instruction will result in damage to the product and serious or fatal injury.

FOR MORE INFORMATION ON PARTS, INSTALLATION RATINGS AND

COMPATIBILITY, CALL THE PYUNG-IL OFFICE (+82-343-420-6650).

IMPORTANT

1. Check contents of package to ensure they are complete and undamaged.
2. Check all components to ensure properly fit with cable and/or mating products.
3. Read entire installation instruction before starting the installation.
4. Have all required tools at hand and maintain cleanliness throughout the procedure.

**IN CASE OF UNARMoured CABLE,
DISREGARD ALL DESCRIPTIONS RELATED WITH ARMOUR WIRE**

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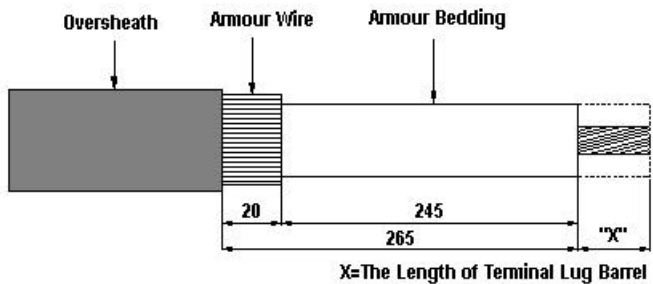
STEP 1 CABLE PREPARATION

1. Clean the oversheath for the length of approximately 1,000mm from the end of cable.
2. Square-cut the end of the cable to be vertical.
3. Measure the length of terminal lug barrel and add 5mm. This represents dimension "X".
4. Prepare the cable as shown in the figure

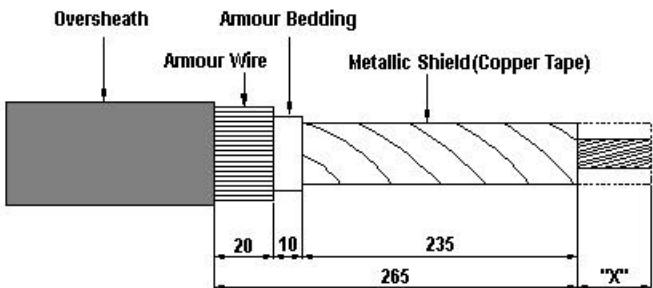
'WARNING : DO NOT NICK, CUT OR IN ANYWAY DAMAGE CABLE/TERMINATION'

- (1) Remove the oversheath for a distance of X+265mm from the end of the cable
- (2) Remove armour wire for a distance of X+245mm from the end of the cable
- (3) Remove armour bedding for a distance of X+235mm from the end of the cable

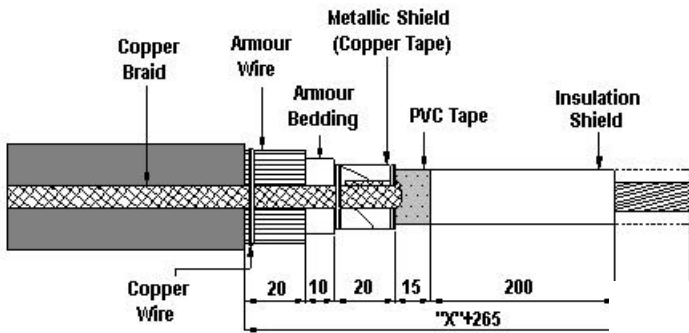
5. Position the tinned copper braid over the metallic shield (copper tape) to the direction of armour bedding, and wrap the supplied tinned copper wire twice over the tinned copper braid at the position of X+215mm from the end of cable as shown in the figure.



6. Bend the tinned copper braid back over the tied point and wrap the supplied tinned copper wire over the tinned copper braid twice at each position of the end of the armour bedding and the end of the oversheath.

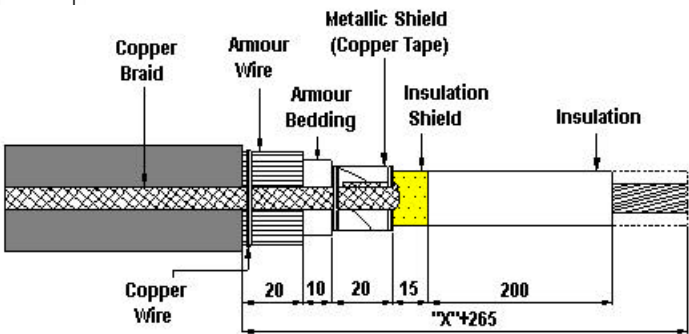


7. Remove the metallic shield for the length of X+215mm from the end of the cable.



8. Wrap PVC tape once over the insulation shield for 15mm from point of X+200mm from the end of the cable.

9. Remove insulation shield upto the distance of X+200mm from the end of the cable



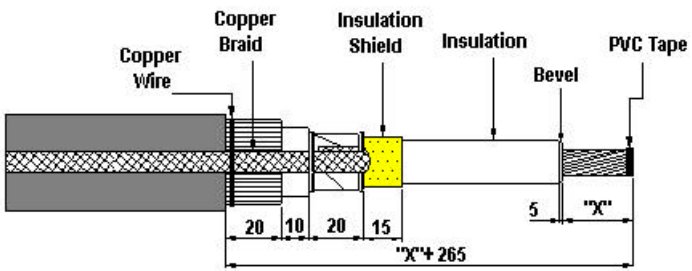
'BE CAREFUL NOT TO DAMAGE THE INSULATION SURFACE'

10. Remove PVC tape applied on the insulation shield.

11. Remove the insulation with the distance of Xmm.

"BE CAREFUL NOT TO DAMAGE THE CONDUCTOR STRANDS"

- 12. Bevel the end of the cable insulation at 45° angle approximately 5mm back.
- 13. Wrap PVC tape twice on the sharp edge of the bare conductor.

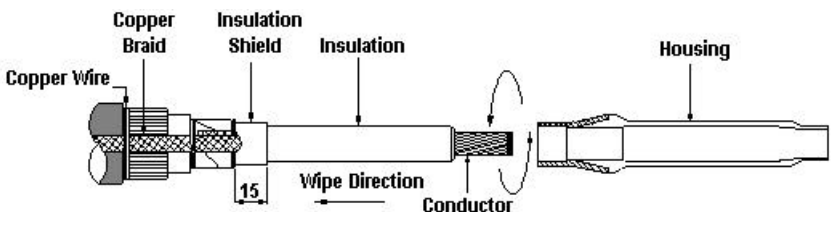


STEP 2 CLEANING, LUBRICATING, & ALIGNING THE HOUSING CONE WITH INSULATION SHIELD

- 1. Thoroughly clean the insulation to remove all traces of the insulation shield (semi-conductive) residue. This may be done by wiping it with the supplied cleaning tissue or a rag soaked into approved safety solvent. Always wipe it from the end of the cable toward the oversheath.
- 2. Apply the supplied lubricant or PYUNG-IL approved lubricant sparingly to the cable insulation in the direction of arrows and to the lower inside of the housing
 - The purpose of lubricating the lower inside of the housing is to make it easily slide down and to prevent water penetration.

"DO NOT SUBSTITUTE THE LUBRICANT. THE OTHER LUBRICANTS MAY BE HARMFUL TO THIS PRODUCT OR ITS MATING PRODUCTS"

- 3. Slide the housing down on the cable using spiral motion. The base of the housing must overlap max. 15mm of the insulation shield.

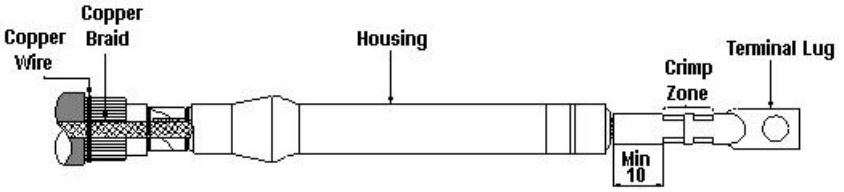


"MAKE SURE THAT OVERLAPPING SHOULD NOT EXCEED 15mm."

- 4. Accord the upper end of the insulation and the upper end of the housing.
- 5. Clean the silicone grease oozed with the cleaning paper (NOT tissue) from the inside of the housing during the installation work.
- 6. Remove the PVC tape wrapped around the sharp end edge of the bare conductor.

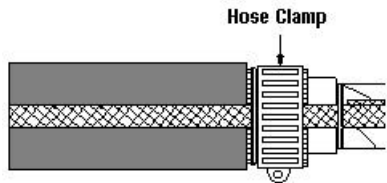
STEP 3 CRIMPING CONNECTOR

- 1. Insert terminal lug into the bare conductor, and compress the terminal lug with compression device twice as shown in the figure. Make the first crimp at the top of the crimping zone, and then rotate the successive crimp 180° .



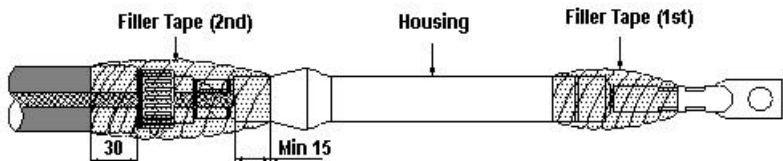
"MAKE SURE THE LAST CRIMP AT THE BOTTOM OF CRIMP ZONE SHOULD BE APART MINIMUM 10mm FROM THE TOP OF THE HOUSING"

- Slide the hose clamp over the cable and locate the clamp on the armour wire and fasten the hose clamp using the screw driver as shown in the figure.



STEP 4 APPLICATION OF FILLER TAPE

- Apply filler tape half-overlapped twice over the junction of the cable lug and the housing, covering the last crimped part and 20mm of the housing.

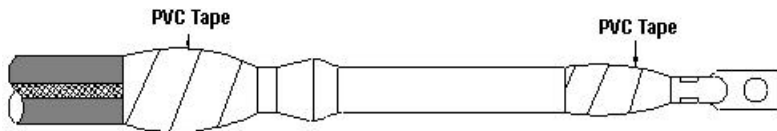


"FILLER TAPE SHOULD BE HALF-OVERLAPPED WITH SLIGHT TENSION (ELONGATION TO BE 25% TO 50%)"

- As shown in the picture tightly wrap filler tape half-overlapped twice over 30mm of the oversheath after lifting up the tinned copper braid, and place the tinned copper braid over the applied filler tape.
- Apply filler tape half-overlapped twice again from the lower part of the housing to the filler tape already applied part, covering at least 15mm of the lower part of the housing and 30mm of the oversheath.

STEP 5 APPLYING THE TAPE FOR FINISHING OPERATION.

- Apply the PVC tape half-overlapped twice to cover filler-taped part as shown in the figure.



"PVC TAPE SHOULD BE APPLIED WITHOUT STRETCH FORCE"

- Connect the cooper braid to appropriate place for earthing, which is the last operation for installation.