PETROLCHIMICA
SISTEMI PRODUTTIVI

PSP-Splice-UG

Skin Effect Conductor Underground Splice

INSTALLATION PROCEDURES

Rating Up to 5000VAC

#2 AWG, #4 AWG, #6 AWG and #8 AWG

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PSP Skin Effect Conductor Underground Splice

This instruction guide is intended for the installation of PSP Underground Splice Kits. This procedure shall apply to 2 AWG, 4 AWG, 6 AWG and 8 AWG, PSP conductors, intended for installation underneath the thermal insulation and on “below grade” piping.

Read complete instruction before attempting to install splice.

Receiving, Storing and Handling . . .

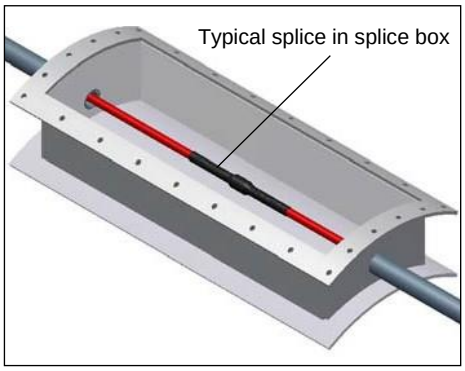
1. Inspect materials for damage incurred during shipping.
2. Report damages to the carrier for settlement.
3. Identify parts against the packing list to ensure the proper type and quantity has been received.
4. Store in a dry location.

Kit Contents . . .

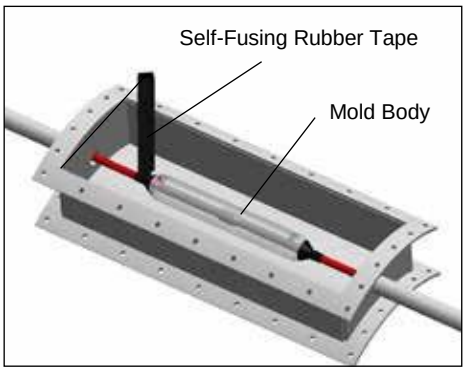
Item	Quantity	Description
1	1	Mold Body (2 Halves)
2	2	Pouring Spouts
3	3	Self-Fusing Rubber Tape
4	1	Resin

Installation Precautions . . .

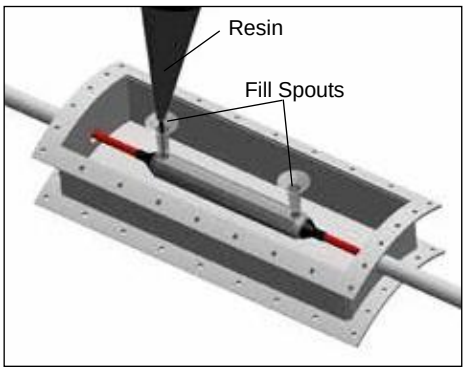
- Kit component approvals/certifications and performance ratings are based on the use of PSP specified and supplied parts only.
- De-energize all PSP power sources before opening the splice box where this splice kit is installed.
- Splice box, conductor, and hands should be clean and free of any contaminants or oil prior to beginning the kit installation. Thoroughly clean the conductor a minimum of 150mm back from each conductor end.
- Maximum pipe maintenance temperature for the underground splice kit is 90°C.



1. Installation of standard splices should be performed in accordance with form PN50277U or PN50276U as appropriate. After completion of all such splices, the skin effect conductor dielectric integrity should be verified in accordance with installation guidelines form PN50280U.



2. Trim mold ends with knife to fit cable slightly loose. Hold mold halves in place, centered over splice. Snap mold halves together firmly. Check to see that both seams are carefully snapped together. Tape ends of mold body around cable to seal. Use supplied self-fusing rubber tape. Stretch tape until 3/4 of the original width is achieved.



3. Position splice level. Mix resin thoroughly per instructions on resin package. Pour resin immediately after mixing. Fill only through one spout until both spouts are completely filled. Allow two (2) hours for resin to cure before energizing system. When resin has hardened, snap off fill spouts. Mold body remains as part of the splice kit.