

The Raychem Anode Splice Encapsulation Kit is a heat-shrinkable sleeve internally coated with self-encapsulating adhesive that enables it to completely insulate and seal such connectors as the standard split bolt and compression connector.

The ASE is designed specifically for protecting anode splice connections of HMWPE, HDPE, and Raychem Permarad® cables used in impressed current cathodic protection systems.

Insulated and sealed in minutes

Simplicity of design enables rapid and reliable installation. A single splice encapsulation kit covers many cable sizes while eliminating time-consuming taping as well as compound mixing and curing. The kits can be installed in approximately three minutes at temperatures as low as -40°F (-40°C).

ASE splice encapsulations can be direct-buried immediately after installation. The completed encapsulation is mechanically strong, electrically insulated, and sealed from moisture and contamination.

Material properties

The dielectric strength of ASE splices has a typical value of 300 volts/mil (min) @ .050" using ASTM D149 test method; the volume resistivity is 1×10^{13} ohm cm min. ASTM D257; cold impact -55°C , "no breaking," ASTM D746, and water absorption (24 hr @ 25°C), .5% max, ASTM D570.

The ASE splices are designed and tested to ANSI C119.1. Ask for our test report 609-1.



General information

ASE

(length 7¾ inches)

Compression connectors:

Die index, C, D, O; Wire range,
Main 6-4/0 AWG, Tap 14-4/0 AWG.
Max. connector length 3.25 inches.

Standard split bolt:

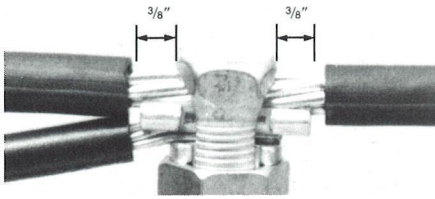
Wire range, Main 6-2 AWG,
Tap 14-2 AWG.
Max. connector length 1.5 inches.

Materials in kit

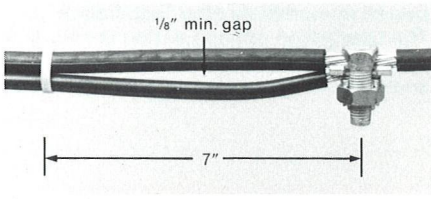
1 Heat-shrinkable wrap-sleeve
1 Insulation strip or black insulation tape
2 Tie wrap
1 Closure channel

Installation instructions

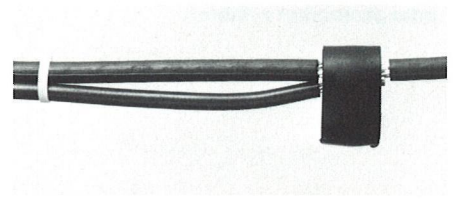
A. Prepare cable



1. Install connector. **Note** maximum length of stripped wire leads. Wipe off excess contact compound.

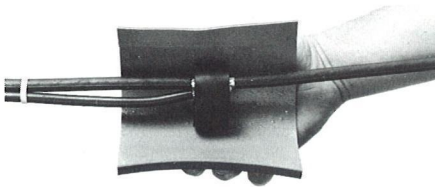


2. Position tie wrap(s) as shown. Two are required for "H" connections. **Note** 1/8 inch gap produced for adhesive encapsulation.



3. Wrap insulation strip or tape centered on connection. If required, heat strip end slightly to tack in place.

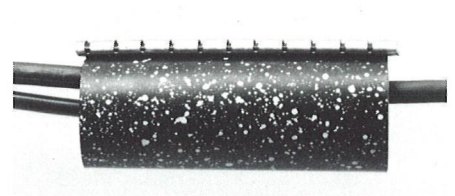
B. Position sleeve



1. Position sleeve closure over main cable run.

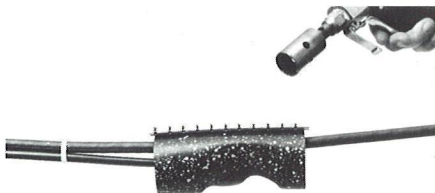


2. Slide channel onto sleeve rails.

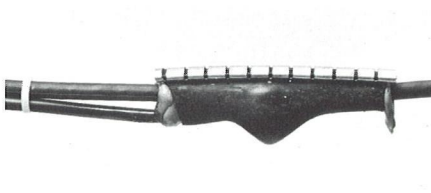


3. Channel ends should extend evenly beyond ends of sleeve.

C. Heat-shrink assembly



1. Using yellow tip of torch* flame, apply heat in a uniform back and forth motion, giving special emphasis to rail/channel area.



2. Apply heat until all indicator paint changes color. Adhesive will extrude from sleeve ends.



3. A few minutes cooling may be required for complete encapsulation to occur between cables.

All products sold in multiples of standard packaging.
*Note: Raychem FH 2616A1 torch is recommended.

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