CRPS

Cold Repair Strip for Jacket Repair on Flexible and Mining Cables (P-137-13-MSHA)

Danger: Before attempting any cable repairs, make sure that the proper cable is disconnected, locked out, and suitably tagged.
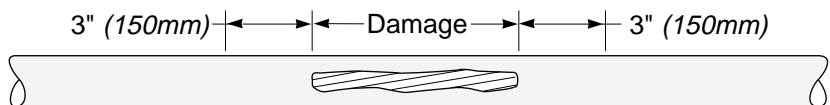
General Instructions

Suggested Installation Equipment (not supplied with kit)

- Raychem P63 cable preparation kit or cable manufacturer approved solvent
- Non-conducting abrasive cloth, 120 grit or finer
- Electrical Tape

Installation Instructions

1. Product selection.

1993

Check kit selection with the kit and coverage information in Table 1.

3" *(150mm)* ⟶|⟵ ⟶|⟵ Damage ⟶|⟵ ⟶| 3" *(150mm)*

Coverage Area = Damage + 6" *(150mm)*

Table 1

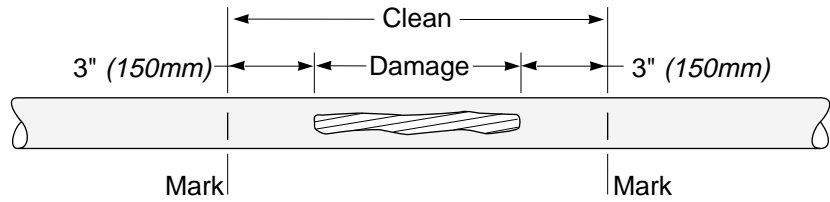|		**Approximate Coverage Length per Strip**			
Kit	Strip Length*	Cable Diameter	CRPS-248	CRPS-290	CRPS-2120
CRPS-248	48" *(1220mm)*	0.50" *(13mm)*	28" *(710mm)*	55" *(1400mm)*	73" *(1855mm)*
CRPS-290	90" *(2285mm)*	0.75" *(19mm)*	18" *(460mm)*	37" *(1400mm)*	49" *(1245mm)*
CRPS-2120	120" *(3050mm)*	1.00" *(25mm)*	14" *(355mm)*	26" *(660mm)*	36" *(915mm)*
		1.25" *(32mm)*	11" *(280mm)*	21" *(530mm)*	28" *(710mm)*
		1.50" *(38mm)*	9" *(230mm)*	18" *(460mm)*	24" *(610mm)*
		1.75" *(44mm)*	7" *(180mm)*	15" *(380mm)*	20" *(510mm)*
		2.00" *(51mm)*		14" *(355mm)*	19" *(480mm)*
		2.50" *(63mm)*		10" *(255mm)*	13" *(330mm)*
		3.00" *(76mm)*		9" *(230mm)*	12" *(305mm)*

*All sizes of CRPS are 2" *(50mm)* wide.

2. Clean cable; mark cable.

Using an approved solvent, clean the cable as shown.

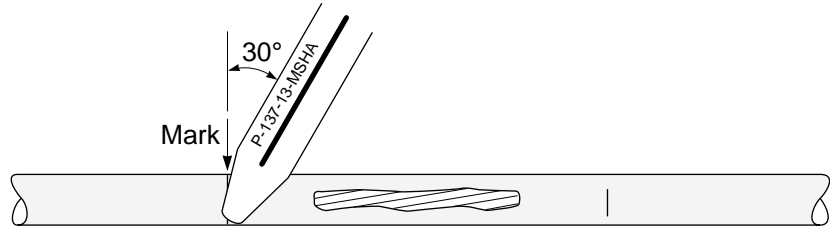Mark cable jacket 3" *(75mm)* from each end of the damaged area.

Clean

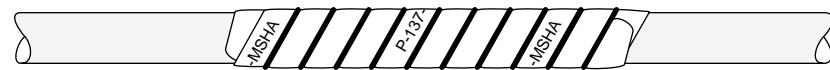3" *(150mm)* — Damage — 3" *(150mm)*

Mark   Mark

1994

3. Apply CRPS.

Remove approximately 6" *(150mm)* of backing from a strip of CRPS.

30°

P-137-13-MSHA

Mark

Place the strip (with printing on the left) on the left mark as shown.
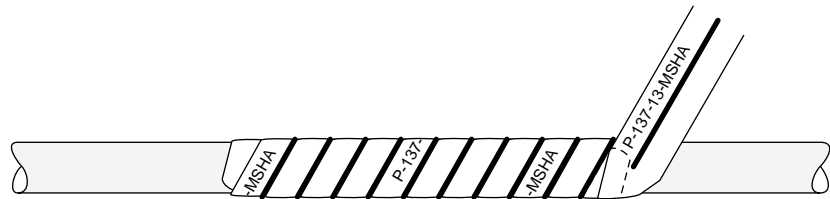
1995

Using light tension, wrap the strip around the cable aligning the left edge against the center ridge.

1996

If more than one strip is needed to cover the damage, repeat Step 3 placing the beginning of the new strip over the previously installed strip as shown. Repeat as necessary until damage is covered.

1997

4. Apply vinyl tape to ends.

Cover the ends of the CRPS with several wraps of vinyl tape.

If more than one strip of CRPS has been used, apply several wraps of vinyl tape to the overlaps.

Installation is complete. Vinyl tape may wear off over time, but the performance of CRPS will not be affected.

Tape over ends of CRPS   Tape   Tape

1998