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Two Methods

Raychem Underwater Splice (UWCS)

- Mold in place

Adhesive lined, medium wall tube (MWTM)

- Heat shrinkable adhesive tube
- Mastic filler

Features

- Tested to 86 bar (on specified cables). "Raychem type approval test"
- Available in 110V & 22V.
- Installation kit contained in aluminum carry case. All tools needed to make joint
- Portable
- Full range of spares available.

Method 1 Description

UWCS - What is it?

This system is suitable for the jointing of R SPECIFIED, polyethylene jacked cables which are subject to water immersion and pressure.

The splice consists of molded polyethylene inserts which are encased in a heat recoverable sleeve.

Conductors are joined with in-line ferrules using a hand crimping tool.

The joint is placed in a purpose-made oven. The effect of temperature causes the joint components to melt with the cable jacked, when cool, gives a water and pressure tight joint.

Basic Components

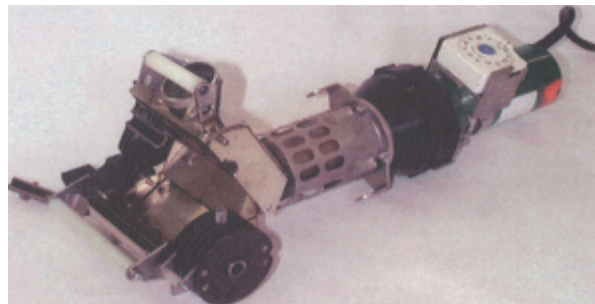
Installation kit contains all tools and equipment required to produce sealed splice



Splice kit contains heat shrink sleeve, inserts and ferrules.

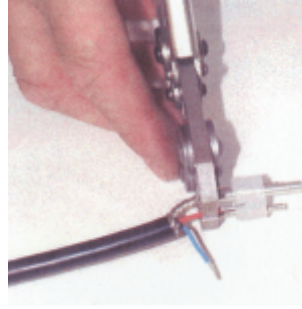


Hot air gun, timer and purpose made oven with heat sinks.

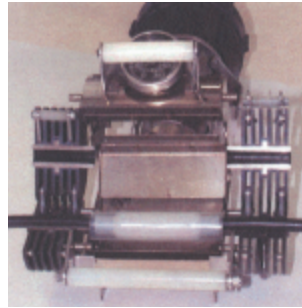


Basic Components

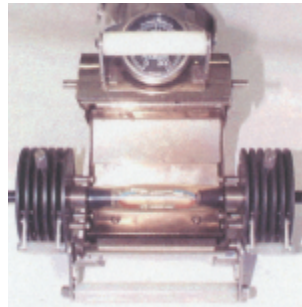
1. Prepare cable ends, install ferrules and joint assembly.



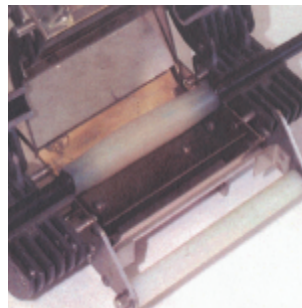
2. Place assembled joint into oven. Set temperature and timer.



3. Inspection - After heating, conductors, ferrule and cable ends are clearly visible through molten polyethylene.



4. Cooling - allow joint to cool in forced air.



Recommended Cables

Cable Description	EPD No.	Splice Kit	End Cap
6.8mm dia, 6mm ²	26732C	UCWS-1U/6.8	UWCS-END-CAP/6.8
6.8mm dia, 6mm ² to 10.9mm dia, 25mm ²	26732C 31451A	UCWS-1U/10.9-IU/6.8	
7.6mm dia, 2 core	21735F	UCWS-2U/7.6	UWCS-END-CAP/7.6
7.6mm dia, 6mm ² to 5.8mm dia, Co-axial	21735F 26640A	UCWS-2U/7.6-IC/5.8	
8.3mm dia, 2 core	21291G	UCWS-2S/8.3	UWCS-END-CAP/8.3
8.3mm dia, 3 core	24171E	UCWS-3S/8.3	UWCS-END-CAP/8.3
8.3mm dia, 4 core	21736E	UCWS-4S/8.3	UWCS-END-CAP/8.3
10.3mm dia	45572Q		UWCS-END-CAP/8.3
10/9mm dia, 25mm ²	31451A	UCWS-1U/10.9	
12.7mm dia, 3 core	36892C	UCWS-3U/12.7	