

TC-171-IP
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Heat-shrinkable wraparound pressurization sleeve

Selection Table

RWPS-C-size	Cable range		Sleeve length (nom.)
	Min. OD (mm)	Max. OD (mm)	
45/15-250	15	45	250
65/20-250	20	65	250
95/30-250	30	95	250

Recommended Safety Rules

- check manhole for gas
- use safety glasses and safety gloves when working with open flame.

Flame description

flame length 25-30 cm



Use a CommScope torch FH-T001-0020 or equivalent.



Kit contents:

- Heatshrinkable sleeve including valve with insert
- Stainless steel channel
- Foam washer
- Cleaning tissue
- Abrasive strip
- Aluminium foil
- Installation instruction



1 With a locally approved tool (e.g. hot knife), make an 18 mm diameter hole in the cable jacket and the metal screen where the valve is to be inserted. Be careful not to damage the conductors.



2 Clean the entire circumference of the cable jacket over the whole sleeve length with the cleaning tissue supplied in the kit.



3 With the abrasive strip supplied in the kit, abrade the cable circumferentially over the entire cleaned length. Remove the abrasion dust with a clean, dry cloth.



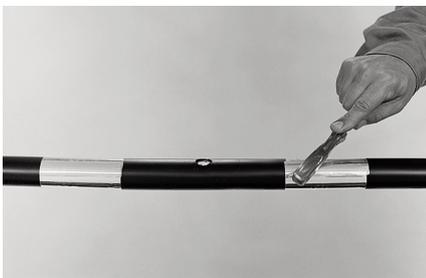
4 Position valve over hole and mark ends of sleeve on cable jacket.



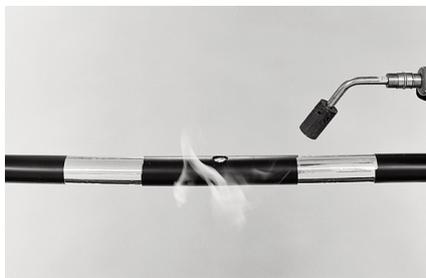
5 Add a second mark at 1 cm nearer the hole.



6 Apply aluminium foil on the cable jacket, away from the hole starting from the inner mark.



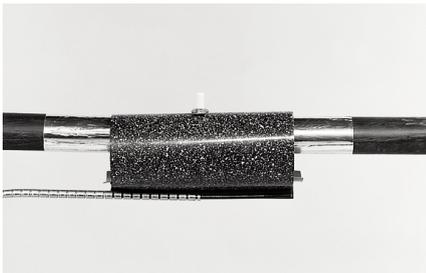
7 Smooth the aluminium foil with a blunt tool to smooth sharp edges.



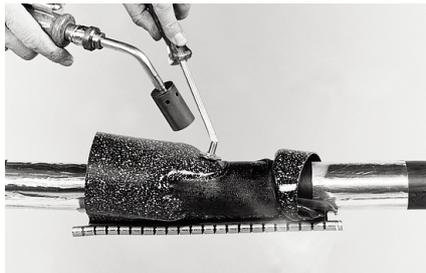
8 Flame brush the cable area to be covered by the sleeve for about 10 seconds. Make sure to treat the entire cable surface.
Do not point the flame directly at the hole in the cable jacket.



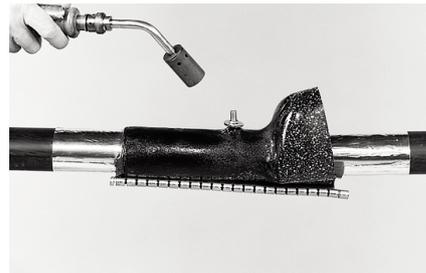
9 Remove release paper from foam washer. Position washer over hole in the cable, adhesive side down and adhere to the cable.



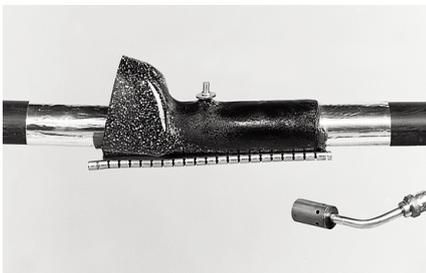
10 Wrap the sleeve around the cable and pull the channel over the rails. Remove the core of the valve and locate the sleeve such that the valve sits on the hole in the cable jacket.



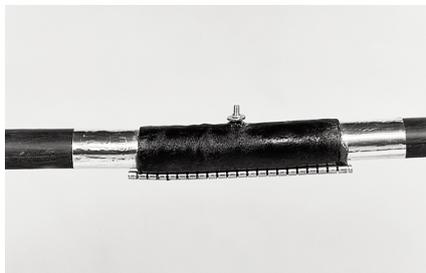
11 Start heating the area around the valve-circle and in the centre of the sleeve between valve and channel area. Keep valve in position e.g. with screwdriver.



12 Move gradually towards the channel area and heat until the entire centre section of the sleeve has changed colour. Recover the sleeve up to the end, moving the flame circumferentially until the temperature sensitive paint has changed from green to black.



13 Repeat step 12 towards the other end of the sleeve. Apply additional heat to the ends of the sleeve around the cable for about 30 sec.



14 After the sleeve has cooled down, replace the valve-core and tighten the nut. Tightness testing by pressurization can be carried out when the sleeve has reached ambient temperature.