

TC-233-IP  
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### Radial aerial butt closure for Telephone network.

#### Kit content

- Dome
- Base-part
- Sealing ring
- Clamp
- Cable wrap
- Cleaning tissue
- Abrasion strip
- Installation instruction
- Branch-off clip
- Mounting kit (only sizes 2 and 3)

**Optional:** "Y" branch-off clip for 4 cables out configuration.

#### Safety rules

When working with open flame use standard safety glasses and gloves as required by local practices.

#### Recommended torch

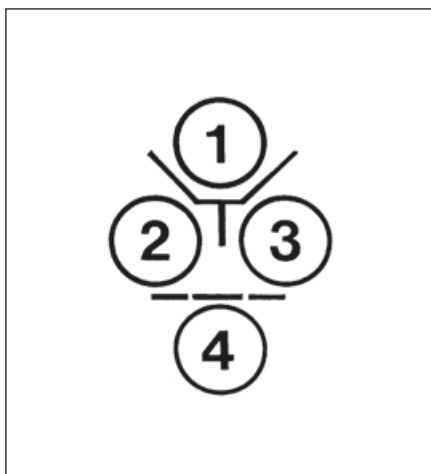
Propane torch e.q. Raychem torch FH T001 with nozzle 20 mm.



#### Application table (dimensions in mm)

Splice dimensions			Cable range: sum of cable diameters					
RABC	Max.joint length	Max. joint diameter	2 out		3 out		4 out	
			min.	max.	min.	max.	min.	max.
100	265	53	25	55	25	60	-	-
200	365	100	43	105	43	115	56*	136*
300	465	135	60	140	60	155	-	-

\* For 4 out configuration use special "Y" clip in combination with standard branch-off clip.



Cable diameter range		
Cable position	min.Ø	max.Ø
nr. 1 and nr.4	10 mm	40 mm
nr.2 and nr.3	18 mm	33 mm



1. Remove cable jackets and complete splicing in accordance with standard local practices.



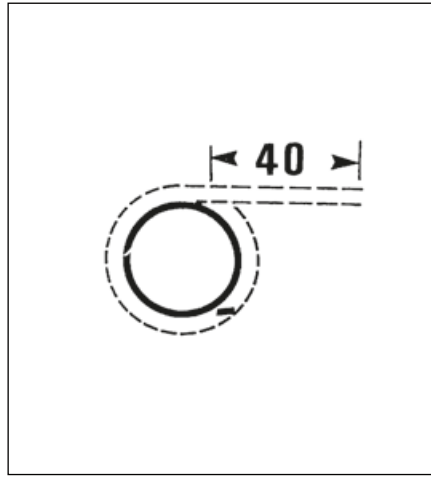
2. Remove solvent impregnated tissue from its package and clean the cable over a distance of  $\pm 25$  cm.



3. Abrade the cables over the cleaned lengths.



4. Slide the base part over the joint such that the cable jackets are protruding a thumb width ( $\pm 2.5$  cm). Above the base part and mark the end of the base part on the cables. Remove base part.



5. Cut cable wrap length by wrapping the cable wrap around the cable and add 4 cm overlap.



6. Flame-brush the cables over the cleaned and abraded areas for about 10 seconds.



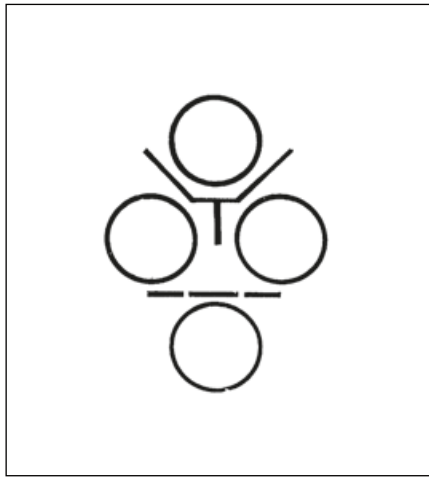
7. Apply cable wraps around each cable. Line up the aluminium of the cable wrap with the marks on the cables.



8. Dress the aluminium of the cable wrap down with a blunt tool to smooth sharp edges.



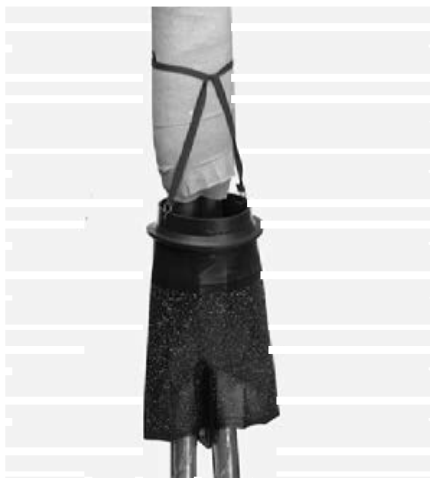
9. Position the base part such that the part overlaps the aluminium of the cable wraps by 2,5 cm. Insert the branch-off clips between each cable.



**Note:** for 4-out configuration see figure for positioning of special "Y" clip. Install Y clip first with the smallest cable in the V of the "Y" clip.



10. Ensure branch-off clips are totally inserted and tight cables together with tie wrap.



11. How to use the holder

In sizes 2 and 3 we will use the holder in order to keep the shrinkable base in its right position while heating. Before heating, we simply knot the holder to the joint and insert the hooks into the base shrinkable holes. Once it is finished, we wait till the shrinkable base cools down and then we take the holder away.



11. Notes for heating

- Use a flame with a total length of  $\pm 20$  cm with a yellow tip of  $\pm 10$  cm.
- During shrinkage move flame continually all around the part. Start shrinking the base part to the cables, starting in the branch-off area towards the joint.



12. Apply heat till all thermochromic paint has changed colour from green to black. Apply heat only to on the painted area of the base part.



13. Tight up the cables with the tie wrap and post heat the clip area till adhesive flow of branch-off clip is visible.



14. Let base part cool down to ambient temperature before handling and closing the closure.



15. Before installing the sealing ring on the base part, ensure the sealing ring area is free from dirt.



16. Put the dome in place over the joint and tight the two parts together with the clamp.



17. Fix position of the completed part using the appropriate brackets.