

Wraparound pressure and water block system for aircore telephone cables up to and including 400p.4



Kit content

- Wraparound sleeves (two pieces)
- Channels (two pieces)
- Adhesive bags
- Wraparound net
- Channelling pins
- Aluminium cable protection foil
- Cleaning tissue
- Abrasive strip
- Installation instruction
- Blocked solid shield continuity wire (optional)

Safety rules

- Check manhole for presence of gas and follow locally prescribed precautions.
- When working with open flame, use standard safety equipment such as gloves, safety glasses etc ... as required by local practices.

FOR SOLID INSULATION ONLY.

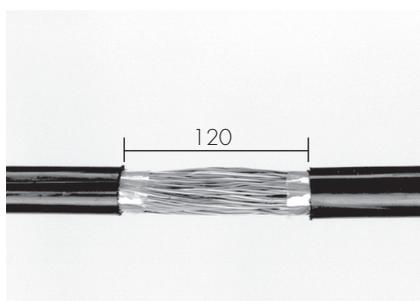
Not to be used on filled cable or paper or pulp insulated conductors.

Selection table (Dimensions in mm)

Kit size	Cable diameter	
	maximum	minimum
ACBS-W-18/12	18	12
ACBS-W-24/18	24	18
ACBS-W-30/22	30	22
ACBS-W-40/30	40	30
ACBS-W-45/40	45	40



1. Using locally approved techniques and tools, remove the cable jacket over a distance of 120 mm.

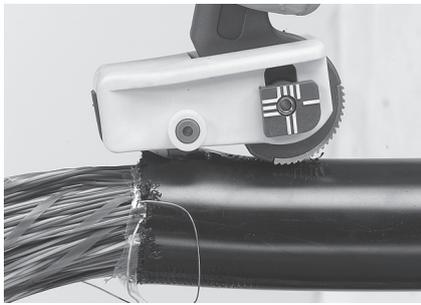


2. Remove the jacket over a distance of 120 mm. Remove the cable wraps but leave 10 mm on each side of the cable opening.

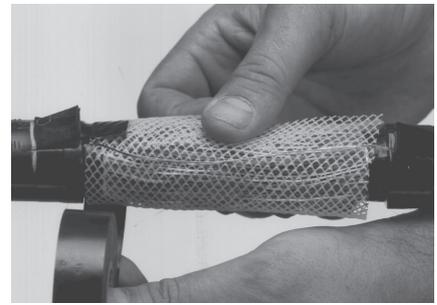


3. Remove all unit tapes in the cable opening. Spread the conductors evenly so that there are no groups of conductors tightly bundled. The conductor bundle diameter should be about 5 mm to 10 mm larger than the original cable core diameter.

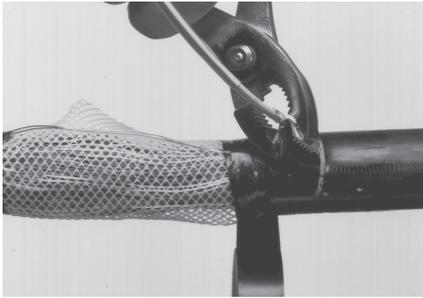
Remark: in case **no** shield continuity wire will be installed, continue with text/picture 5.



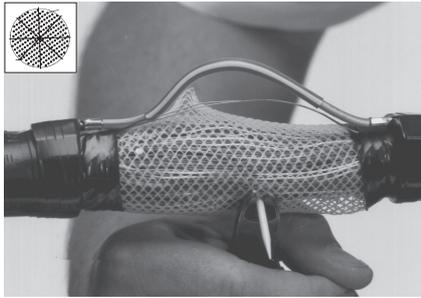
4a. In order to install the shield continuity wire, cut the cable jacket over a length of 20 mm and a width of 10 mm.



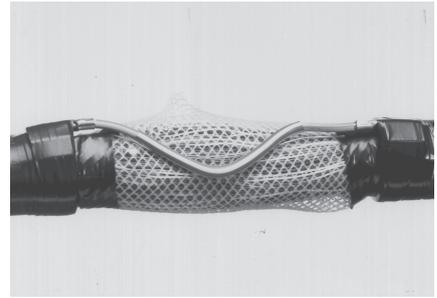
4b. Wrap the mesh around the cable opening and secure the mesh on both ends of the cable opening with PVC tape.



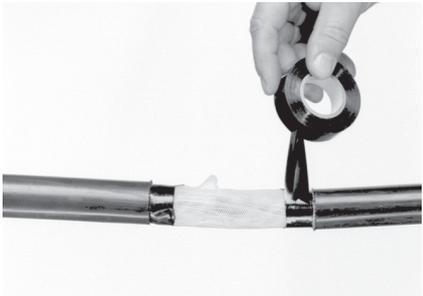
4c. Install shield continuity clip with standard pair of pliers and wrap the entire shield continuity connector with PVC tape.



4d. Insert the channelling pins through the conductors at 10 mm from each other. Insert completely and cut-off the excess. Use the left over pieces until the pin is totally used. Do not force the channelling pins.



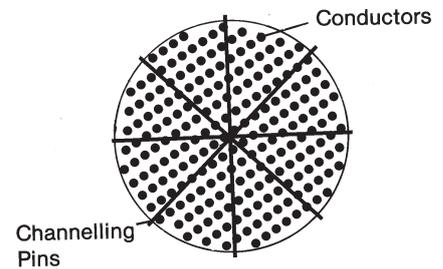
4e. Shield continuity wire is folded **over** the mesh.



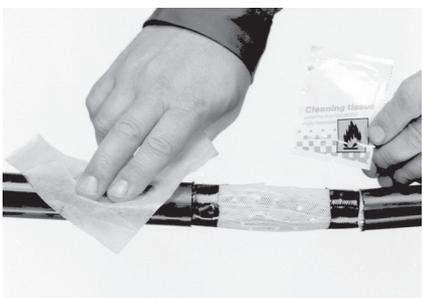
5. Wrap the mesh around the cable opening and secure the mesh on both ends of the cable opening with PVC-tape.



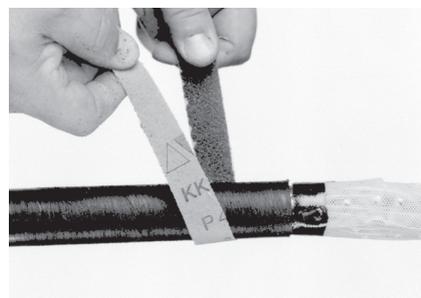
6. Insert the channelling pins through the conductors through the conductors at 10 mm from each other. Insert completely and cut-off the excess. Use the left over pieces until the pin is totally used up. Do not force the channelling pin.



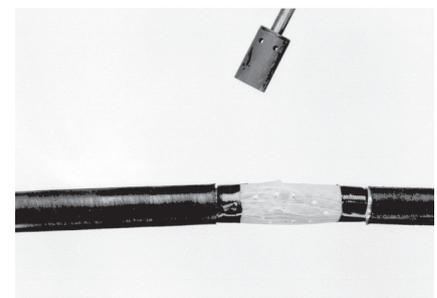
7. The angle of each channelling pin should be different and placed so that each pin forms an angle of 45° from each other.



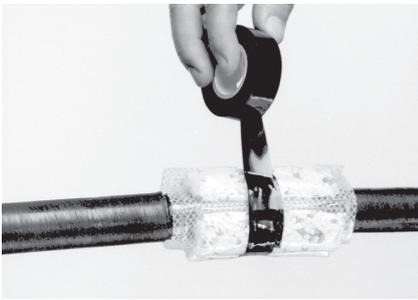
8. Remove the cleaning tissue from its packaging and clean the cable jacket on both sides of the cable opening over a distance of 100 mm.



9. Abrade the cable circumferentially over the cleaned distance.



10. Flame brush the cleaned and abraded cable jacket for 10 sec. Point the flame away from the cable opening. Make sure that the entire cable surface is touched by the flame.
Note: not applicable for PVC jacketed cables.



11. Wrap the adhesive bags around the cable opening, mesh side down. Secure in the middle with PVC-tape.

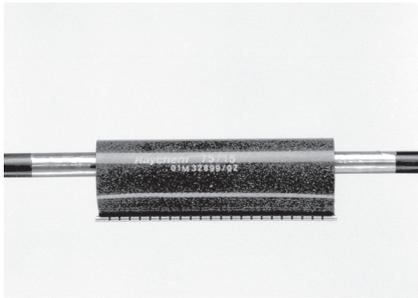
Note: the adhesive bags should NEVER overlap.



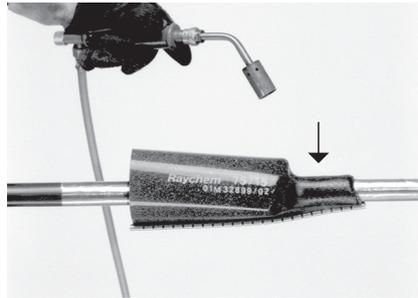
12. Centre the sleeve over the adhesive bags and mark the sleeve ends on the cable.



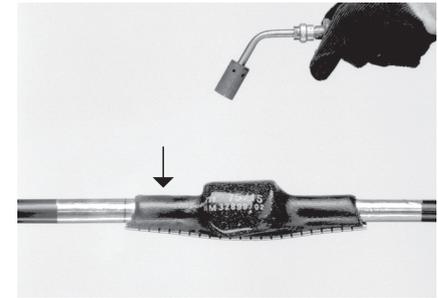
13. Wrap the aluminium cable protection foil around the cable, the blue line matching the marks on the cable jacket. Smooth the aluminium foil with a blunt tool.



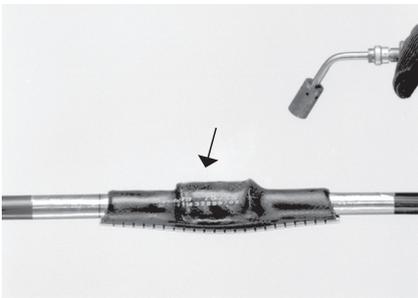
14. Wrap the sleeve around the adhesive bags and close with the channel. Centre the sleeve and position the channel beneath the cable.



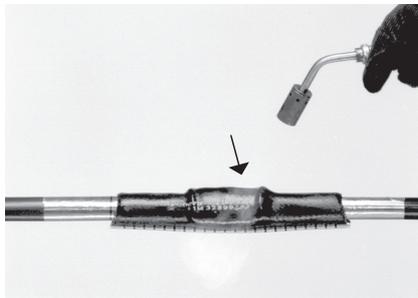
15. Start heating at one end of the sleeve. Shrink the sleeve end over a distance of approximately 70 mm. Apply heat until all the temperature indicating paint has changed colour from green to black and two white lines appear in the slots of the channel. Move flame continually to avoid local overheating.



16. Repeat the procedure on the other end of the sleeve.



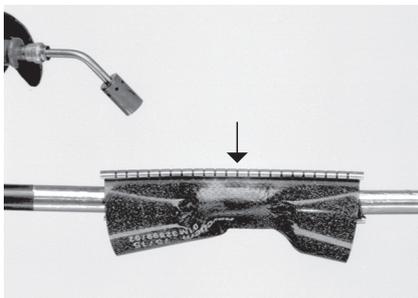
17. Circumferentially shrink the middle part of the sleeve until all the paint is converted and two white lines appear in the slots of the channel.



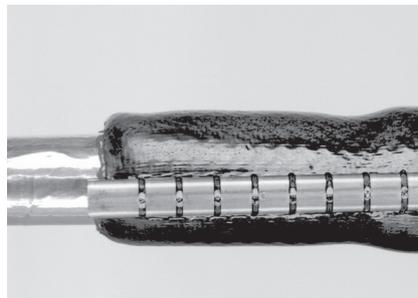
18. After complete installation of the sleeve give a post heating of 15 seconds around the middle of the sleeve.



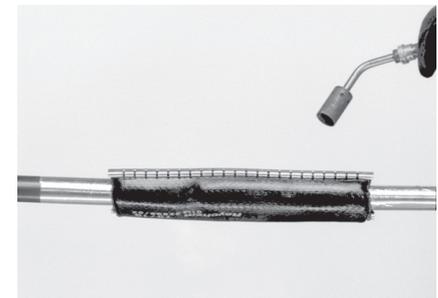
19. Immediately align and wrap the second sleeve over the installed and post heated sleeve. Position the channel opposite to the first channel (180°).



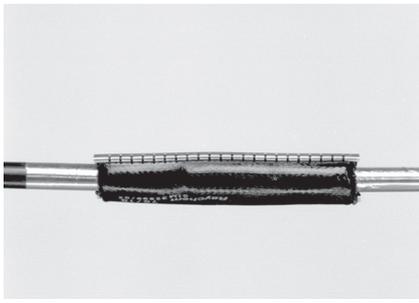
20. Shrink the middle part of the sleeve first, followed by both ends.



21. Apply heat until all the paint is converted and two white lines appear in the slots of the channel.



22. After complete installation of the second sleeve give a post heating of 15 seconds around the middle of the sleeve.



23. After installation allow the block to cool to ambient temperature before moving the cable.
Pressurise the cable after 24 hours.

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