

TC-091-SIP-AUS  
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### Hotmelt air seal/water block suitable for PE-insulated cable with PE or lead sheath



#### Kit content

- CBSM sleeve
- MWTM 25/8-250 (black sleeve)
- Cleaning tissue
- Polyethylene mittens
- Abrasive strip
- Aluminium foil
- Installation instruction

#### Note

**Do not use on paper insulated cable or wet/damp cables.**

This system is tubular and requires access to cable end for fitting.

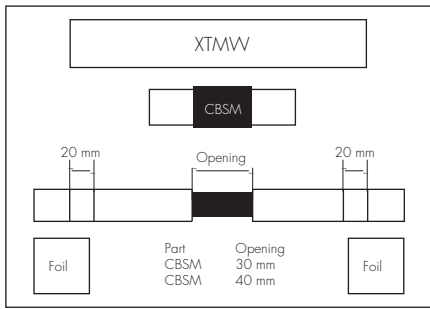
Part description	Serial/Item number	Cable diameter (mm)		Sheath length removal (mm)	Inner sleeve length (mm)
		min.	max.		
CBSM 110	433/312	6.5	12	30	80
CBSM 210	433/313	9.5	18	40	100

**Note:** the outer sleeve length is 250 mm for both CBSM 110 and CBSM 210.  
 The maximum pair counts are 10 for CBSM 110 and 20 for CBSM 210.

The following table is an application guide for the use of CBSM on cable with PE-insulated conductors and PE-sheath. For other cables refer to the table above.

Pair count	Conductor gauge (mm)		
	0.40	0.64	0.90
6	x	CBSM 110	CBSM 210
10	CBSM 110	CBSM 210	CBSM 210
20	CBSM 210	CBSM 210	x

## Preparation



1. Position the CBSM and the 250 mm long black heat shrink tubing (**MWTM 25/8-250**) on the cleaned cable.
2. Where applicable, remove the nylon jacket from PE sheathed cable or the PE jacket from lead sheathed cable, for a length of 200 mm. Sheath removal will then be in the centre of this area.
3. Remove sheath to dimension shown in the table.
4. Remove all paper/plastic wrappings and unit binders.
5. Using the cleaning tissue supplied in the kit clean the cable sheath for 100 mm on each side of sheath opening. The polyethylene mittens must be worn when using the cleaning tissue.
6. Using the abrasive strip supplied in the kit abrade the cable sheath over the cleaned length.
7. **For PE-sheathed or jacketed cable only:**  
Centre the black **MWTM** sleeve over sheath opening.  
Mark sleeve ends on cable. Position the black MWTM sleeve back away from the sheath opening. Apply aluminium foil to sheath, aligning blue line with MWTM sleeve marks. Smooth aluminium foil with a blunt tool.
8. **Important: separate individual conductors. Also ensure that the conductors are absolutely dry. If required, thoroughly dry the conductors using the Telstra approved practice.**
9. Centre CBSM over sheath opening.
10. Position the cables so that they are straight and maintain this position throughout installation until the entire block has cooled.
11. Using a soft flame burner (100 mm flame length) begin at one end and shrink sleeve as far as the blue netting. Use this time to also flame brush for 5 seconds the exposed sheath between the CBSM sleeve and the aluminium foil on PE sheathed cables.
12. Shrink the other end in a similar manner also incorporating flame brushing.
13. Alternating from each end continue shrinking towards the centre.
14. **Important:** prior to installing black sleeve, allow CBSM to cool, undisturbed, until cool to the touch.
15. **For lead sheathed cable only:** preheat until hot to the touch for 100 mm either side of the inner sleeve.
16. Centre the black MWTM sleeve over sheath opening.
17. Using a soft flame burner (200 mm flame length): begin shrinking the MWTM in the centre, working towards one end. Repeat for the other end.
18. Allow to cool undisturbed until cool to the touch.