

MJC CLOSURE FOR COPPER CABLE SMALL INLINE/CAP-ENDED MECHANICAL CLOSURE/XL LARGE INLINE/CAP-ENDED MECHANICAL CLOSURE

Kit descriptions

- MJC-10/20PR-CE Cap-end mechanical closure **small**
- MJC-10/20PR-INL Inline mechanical closure **small**
- MJC-50/100PR-CE Cap-end mechanical closure **large**
- MJC-50/100PR-INL Inline mechanical closure **large**
- MJC-200PR-INL Inline mechanical closure **XLarge**

Kit contents

	Small	XL/Large
• Closure cap-ended or in-line	x	x
• Cable clamps	x	x
• Cleaning tissue	x	x
• Gel tape	x	x
• Installation Instruction	x	x
• Joint protection sheet	x	x
• Measuring tape	x	x

Different types of branching plugs depending on number of cables.

Notes

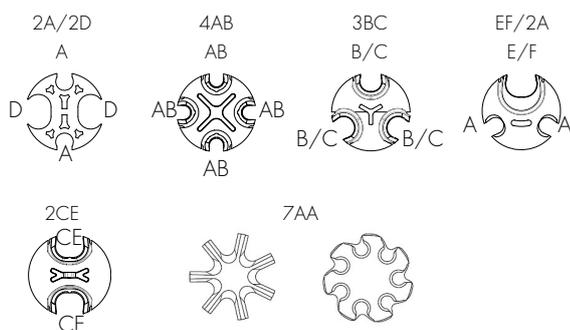
- The closure can be buried wrapped in a plastic bag or mounted on walls and poles.
- No aerial cable webbing to be in closure.
- No u/g armouring to be in closure, etc.

	Max. splice diameter	Total internal length
20p CE	50	185
20p IL	50	240
100p CE	120	185
100p IL	90x60	370
200p IL	120	315

Accessories

Plugs and port reducers to be ordered separately.

Copper plugs (these plugs have a black colour)



L port reducer M port reducer Blanking plug



- For using the large C/F-port, pull out the reducer.

Plug Port	Cable Diameter (mm)		Typical cable
	Min.	Max.	
AA	4.5	6.0	2pr - 5pr
A	6.0	8.5	5pr .5
B	8.5	10.5	10pr .5
C	10.5	12.5	20pr .5
D	8.5	12.5	20pr .5
E	12.5	14.5	30pr .5
F	14.5	16.5	30pr .5
L	20.5	24.5	100pr .5
M	16.5	20.5	50pr .5
None	24.5	28	



Correct



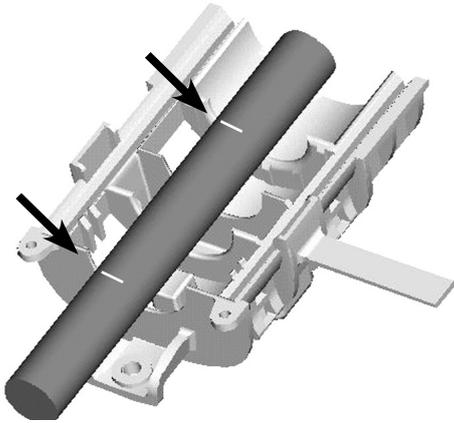
Not correct

Oval cables should be formed as round as possible to fit into the branching plugs. If this proves to be difficult, the cables must be installed as illustrated in drawing above.

1 Installation

1.1 Preparation of the cable

1.1.1 Remove the cleaning tissue from its package and clean the cables for a distance of 200 mm from the cable butts. Straighten the cables.

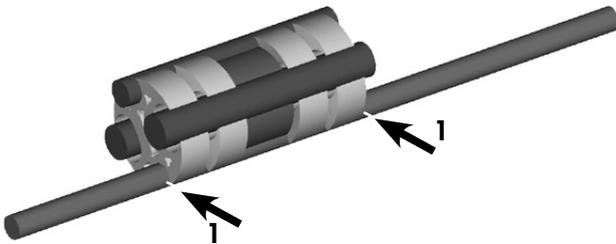


1.1.2 For large and small closures centre the bottom half of the closure around the joint and mark the position of the inner and outside edges of the branching plug recess onto the cables.



1.1.3 Measure the cable(s) with the tape supplied in the kit to determine the appropriate branching plug/port to be used.

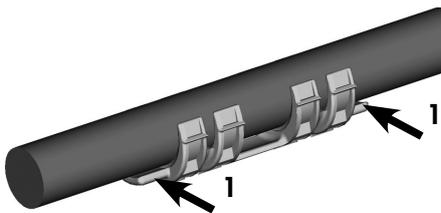
In case a branching plug is selected



1.1.4 Install the branching plug onto the cable(s) in the appropriate port having removed the blanking rod(s) (see selection table on page 1).

Note: taping the cables together each side of the plug will help to keep the plug in position (1).

In case a port reducer is selected

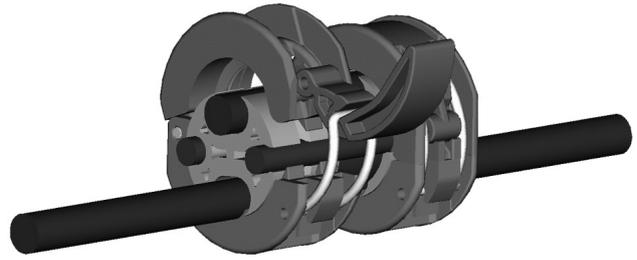


1.1.5 Push the cable in the port reducer.

Note: taping the cable together each side of the plug will help to keep the plug in position (1).

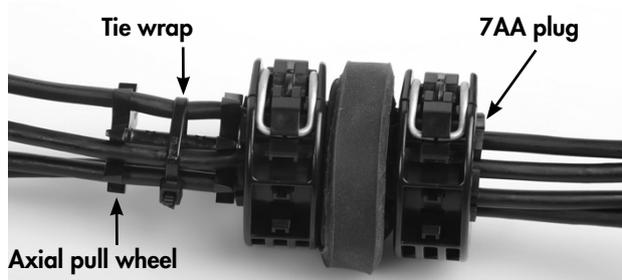
1.2 Installation of the hinged clamps

A Small mechanical closure



1.2.1 Install the 2 hinged clamps over each of the rubber sections of the branching plug; the raised ridge on the inside of the clamps fits into the groove in the rubber of the branching plug or into the groove in the plastic of the port reducer.

1.2.2 The clamps are held together by locating the lever into its locating position and then by pressing down on the closing lever, as shown above.



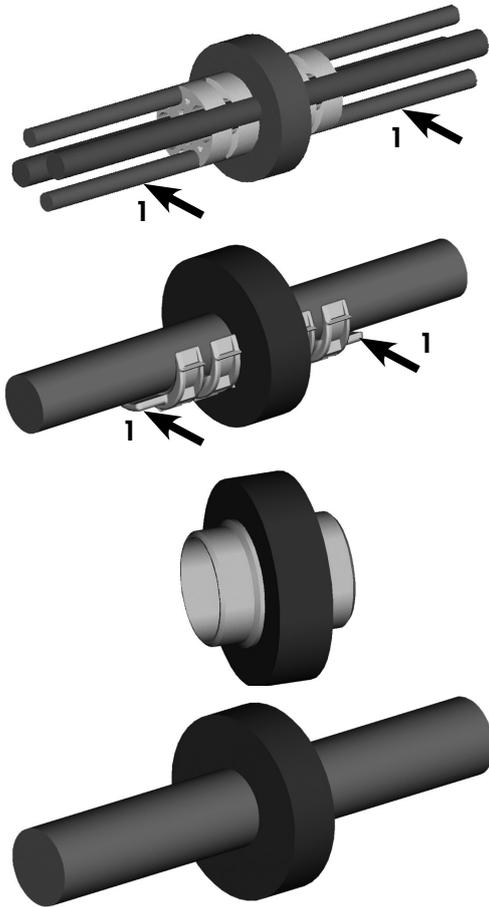
1.2.3 Wrap the length of gel tape around the branching plug between the 2 installed clamps.

Note:

- do not cut the gel tape as it has already the correct length.
- do not stretch the gel sealing tape during wrapping.
- Always use the axial pull wheel with 7AA plug and secure by tie wrap. Axial pull wheel to be oriented inside the closure. All empty ports need to be filled with a blanking rod.

1.2.4 For in-line closures repeat steps 1.1.2 till 1.2.5 at the remaining end.

B Large mechanical closure



1.2.5 Wrap the length of gel tape around the centre of the branching plug or port reducer. Do not stretch the gel sealing tape during wrapping.

Note: taping the cable(s) together each side of the plug will help to keep the plug in position (1).

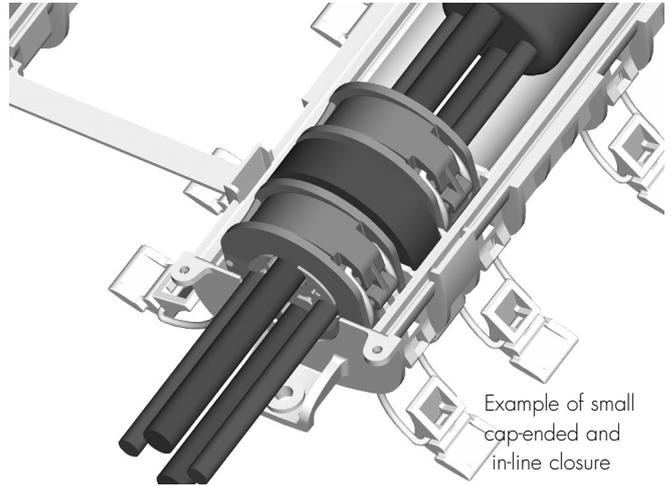


1.2.6 Install the prepared cable or blanking plug in the multiple hinged clamp. Make sure that the raised ridge on the inside of the clamps fits into the groove in the rubber of the branching plug (check this during the installation of both clamps).

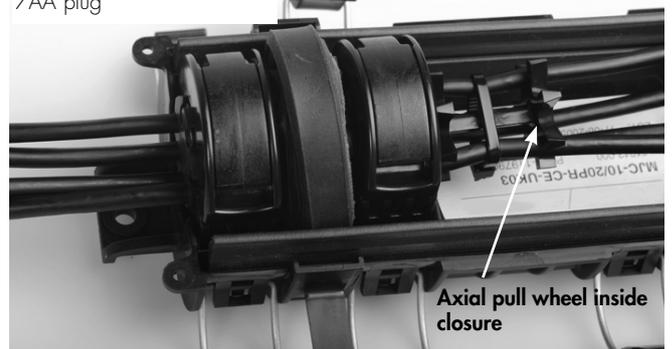
1.2.7 Close the clamps and push down the lever.

Wrap the clear plastic protective sheet around the joint and hold it in place with a wrap of plastic tape.

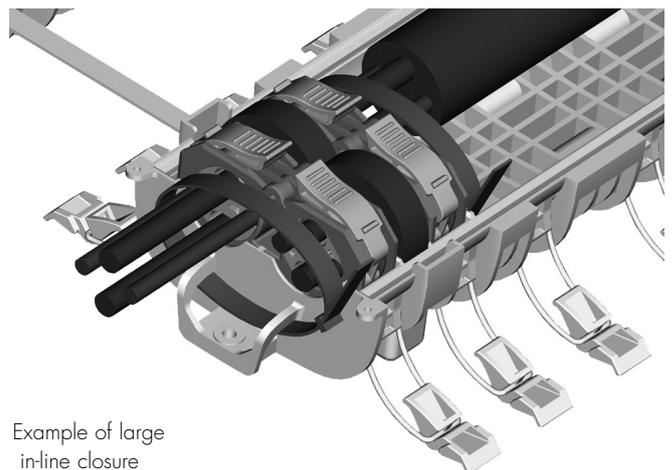
1.3 Closing the closure

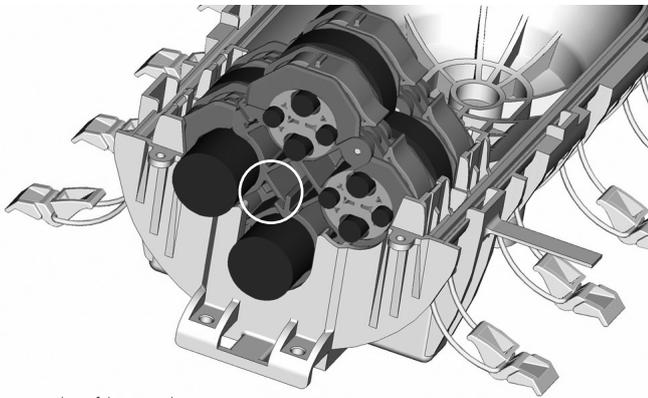


Example of small cap-ended and in-line closure with 7AA plug



1.3.1 Locate the outside clamps in the closure base by rotating the clamped branching plugs until the square hole (with two lock pins) in the outside clamp is above the raised plastic location post in the outside recess in the closure base. Press the branching plugs into place.



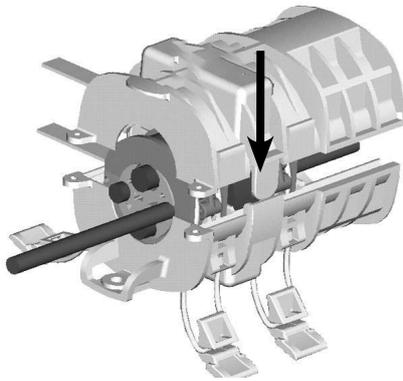


Example of large closure

1.3.2 Centre the protected joint into the closure. Install the clamped branching plugs into the ends of the closure grooves. For large cap-ended closures and extra large closures, the arrow should point downwards.

1.3.3 Check that the longitudinal rubber seal(s) are correctly seated and then fold the lid over onto the closure base. Ensure the seal(s) sit correctly in the lid.

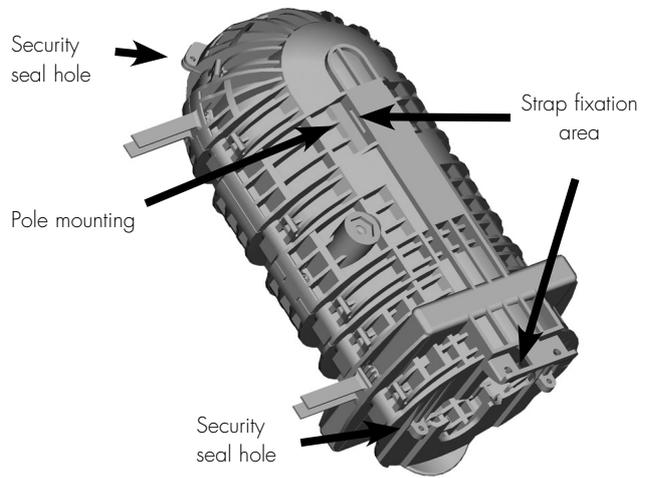
Note: using tiewraps will help to keep the hinged clamps in position; avoid tilting when using tiewraps (cut-off the excess using tiewrap tensioner).



1.3.4 The closure lid has location pegs at each corner that locate into slots at each corner of the base- see above.

1.3.5 Close all the latches. For in-line closures, recommend to close the latches from the centre towards the end.

1.3.6 Check that all clamps are seated correctly and closed.



1.3.7 Mounting and security seal positions on the closure(s).

2 Re-entry

- For re-splicing only, no gel tape has to be removed.
- If adding a new cable, new gel tape and port reducers should be used if the existing gel tape proves difficult to unwrap easily or starts to rip while being unwound.

3 Quality checks

External Check

- Appropriate number of latches fitted and correctly closed
- Correct cable size used
- Stumped cables sealed
- All ports correctly sealed (filler rods where appropriate)
- Integrity of closure not compromised due to external damage
- No evidence of trapped material (wire, cable etc) along closure length

Internal Checks

- No evidence of trapped material (wire, cable etc) along closure length
- All seals/Gel tape correctly fitted and in place
- Plugs correctly mounted/fitted
- Plugs/cable clips correctly closed
- Plugs/seals fitted on undamaged clean cable sheath only
- Joint wrapped correctly in a clear plastic protective sheet
- Maximum cable sizes not exceeded
- Maximum number of jointed pairs not exceeded
- Ensure that seals and grooves are clean.