

Cable Installation Guide

Openreach Installation Procedure For Overblow 25-14mm Drop Closure

CIG0139 GB

Product Application

This instruction details the Openreach procedure for the installation of a Sealed 25-14mm Drop Closure in an Overblow cable installation. The Overblown cable requires protection once it has been removed from the existing sub-duct and taken into an optical fibre joint, this is provided by the application of the 14/10mm mini-duct.











- Input in-line port can accept SDMB5.
- Output in-line port can accept COF200.
- Drop Port can accept 14/10mm Mini-duct
- Sealing to 1m head of water for 24 hours

Precautions and Warnings

- ! This guide is only valid for products purchased from or approved by Prysmian Group.
- ! During this procedure all local Health & Safety statutory regulations must be adhered to.
- ! It is important that the 14/10mm mini-duct is taken into the optical fibre joint in order to protect the cable.
- ! In the event that the closure is re-opened new silicone grease must be re-applied to the seal.

Cable Installation Guide

Tools and materials

| | | | |
|--|--|--|---|
| <p>1. SDMB5 Sealed Closure. BT Item Code:093108</p>  | <p>2. Closure Seal.</p>  | <p>3. Silicone Grease. Part Of BT Item Code 093108</p>  | <p>4. SDMB5 Grab Ring</p>  |
| <p>5. Mini-duct Release Tool</p>  | <p>6. Toggle Release Tool</p>  | <p>7. 14mm Port Plug</p>  | <p>8. 14mm Water Block Connector</p>  |
| <p>9. 14/10mm Duct BT Item Code:092792</p>  | | <p>10. Tube Cutter. BT Item Code:127105</p>  | |

Cable Installation Guide

Method For Drop Cable Into Joint Or Building

Step 1



Ensure sufficient overblown cable has been blown out of the sub-duct to reach the final destination.

Cable Installation Guide

Step 2



Determine the length of 14/10mm mini-duct required and cut to length.

Cable Installation Guide

Step 3



At a point 300mm from the Swept T Closure cut the 14/10mm mini-duct.

Cable Installation Guide

Step 4



At this point apply a Water Block Connector.

Cable Installation Guide

Step 5



Smear some silicone grease around the bottom of the 14/10mm mini-duct.

Cable Installation Guide

Step 6



Fit the 14/10mm mini-duct into the drop port.

Cable Installation Guide

Step 7



Feed the overblown cable through the top half of the closure body and through to the end of the 14/10mm mini-duct.

Cable Installation Guide

Step 8



Position the SDMB5 Grab Ring onto the sub-duct.

Note the orientation! The front face of the Grab Ring should be 25mm from the end of the SDMB5.

Cable Installation Guide

Step 9



Smear a film of silicone grease to all the surfaces of the closure seal that are in contact with the closure, SDMB5 & COF200.

Cable Installation Guide

Step 10



Assemble the seal around the SDMB5 and COF200 cable and position into the bottom half of the closure.

Cable Installation Guide

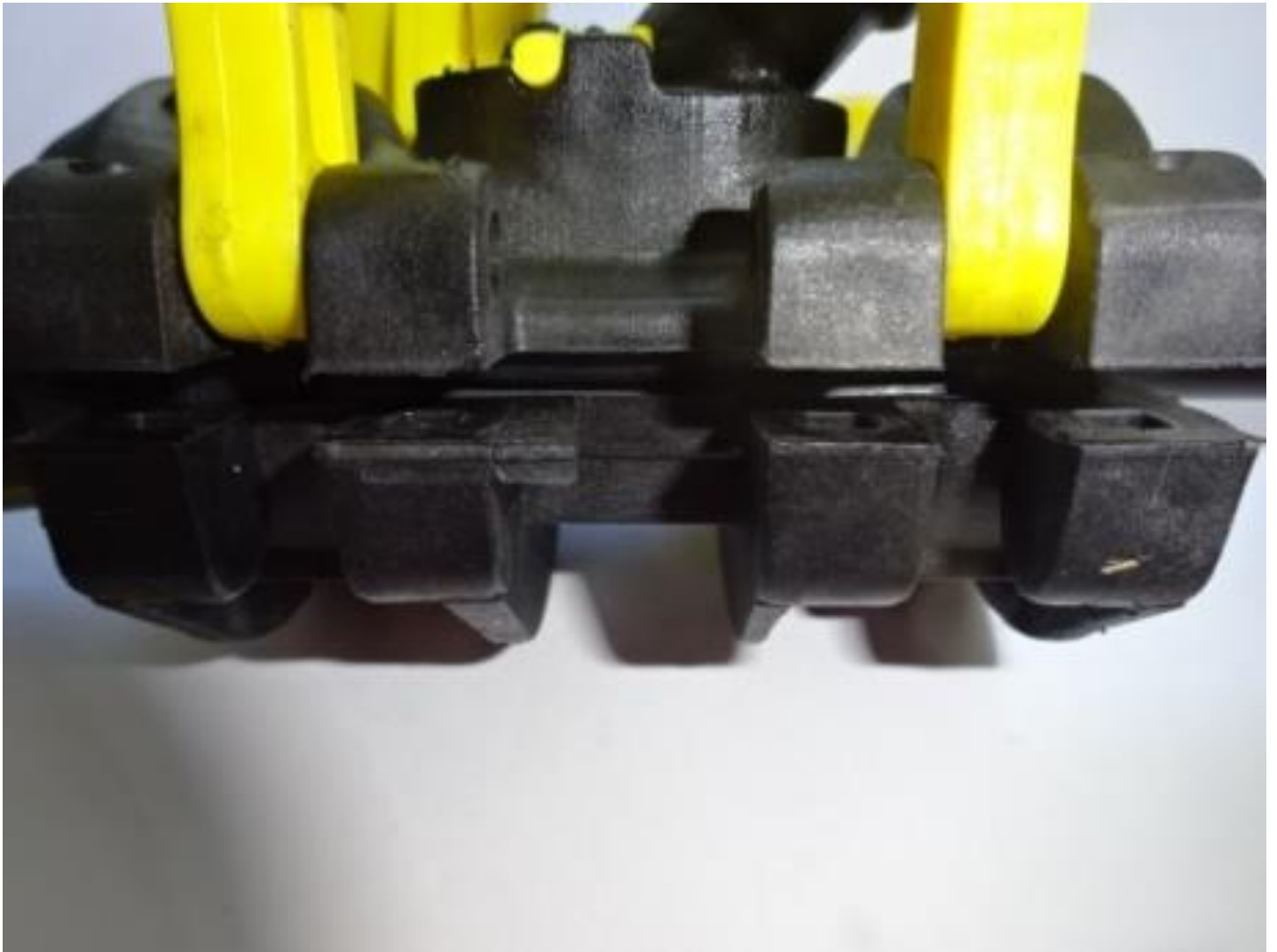
Step 11



Carefully position the top half of the closure body over the bottom half.

Cable Installation Guide

Step 12



Ensure there is nothing trapped between the two halves of the closure body.

Cable Installation Guide

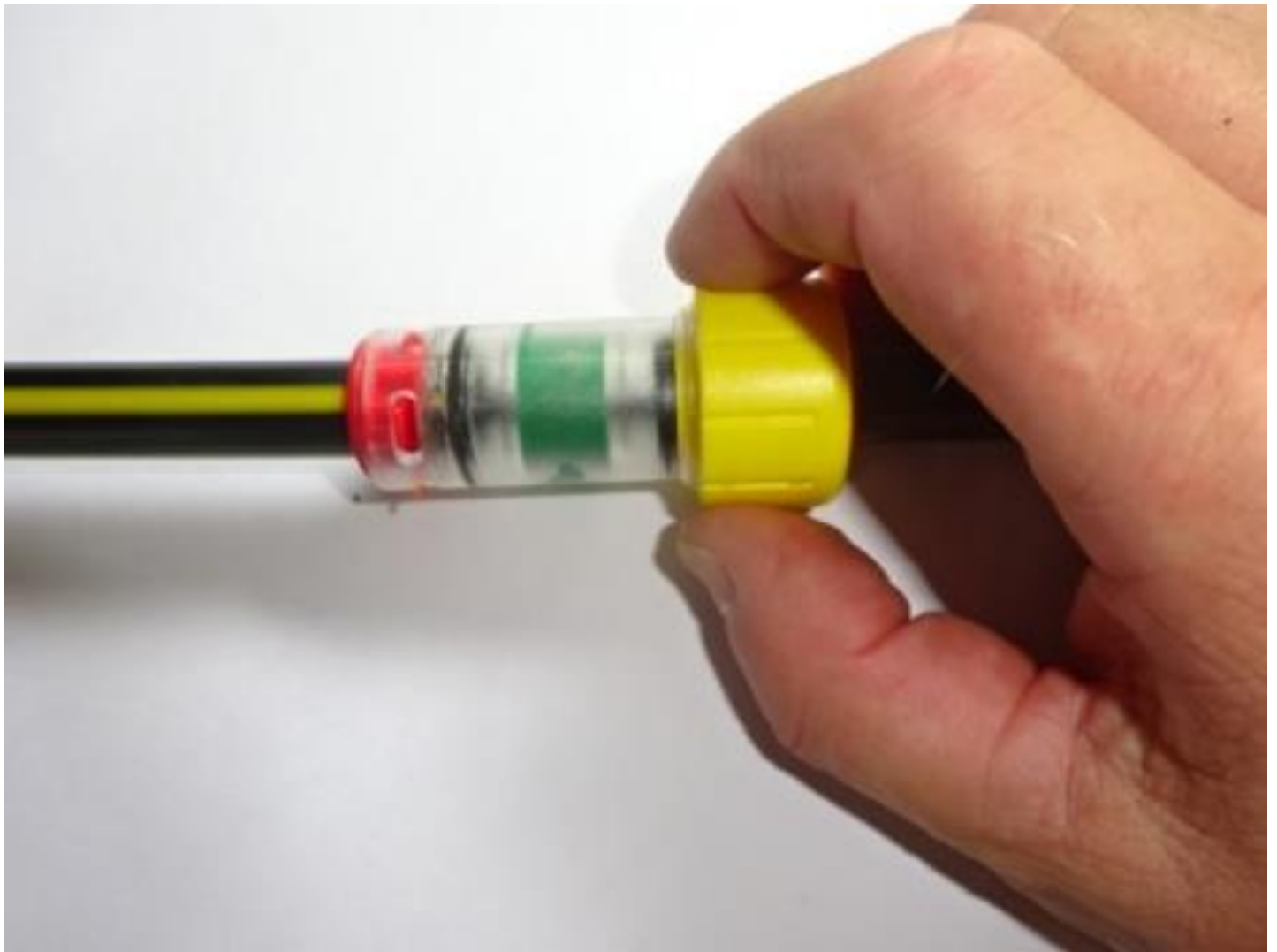
Step 13



Close the two halves together using the toggles.

Cable Installation Guide

Step 14



Activate the Water block by tightening the yellow nut.
This will prevent water from entering the optical fibre joint.

Cable Installation Guide

Method For Use With Centre-Blowing

Step 1



Ensure sufficient overblown cable has been blown out of the sub-duct to reach the final destination.

Cable Installation Guide

Step 2



Cut a length of 14/10mm mini-duct at least 10m long.

Cable Installation Guide

Step 3



Cut the 14/10mm mini-duct at a point 300mm from both ends.

Cable Installation Guide

Step 4



At these points apply a Water Block Connector.

Cable Installation Guide

Step 5



Arrange the top halves of the closure bodies and 14/10mm mini-duct as shown.
The lengths of mini-duct shown is for photographic purposes only.

Cable Installation Guide

Step 6



Feed the overblown cable through the closure body, 14/10mm mini-duct and second closure body

Cable Installation Guide

Step 7

No Picture

Conduct the Overblowing operation as detailed in IEI0020.

Cable Installation Guide

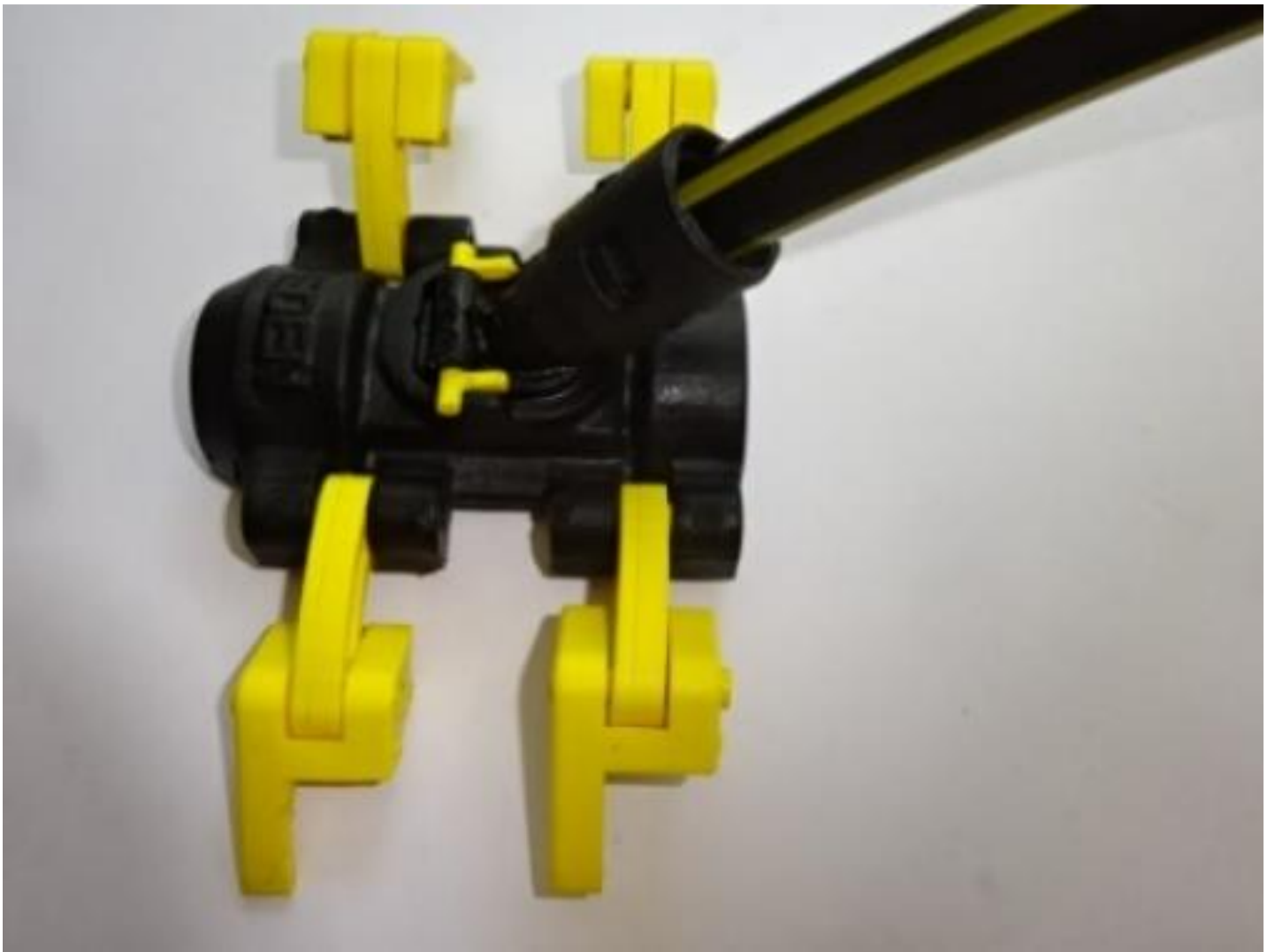
Step 8



Smear some silicone grease around the bottom of the mini-ducts.

Cable Installation Guide

Step 9



Fit the 14/10mm mini-duct into the drop ports.

Cable Installation Guide

Step 10



On one of the closures position the SDMB5 Grab Ring onto the sub-duct.
Note the orientation! The front face of the Grab Ring should be 25mm from the end of the SDMB5.

Cable Installation Guide

Step 11



Smear a film of silicone grease to all the surfaces of the closure seal that are in contact with the closure, SDMB5 & COF200.

Cable Installation Guide

Step 12



Assemble the seal around the SDMB5 and COF200 cable and position into the bottom half of the closure.

Cable Installation Guide

Step 13



Carefully position the top half of the closure body over the bottom half.

Cable Installation Guide

Step 14



Ensure there is nothing trapped between the two halves of the closure body.

Cable Installation Guide

Step 15



Close the two halves together using the toggles.

Cable Installation Guide

Step 16

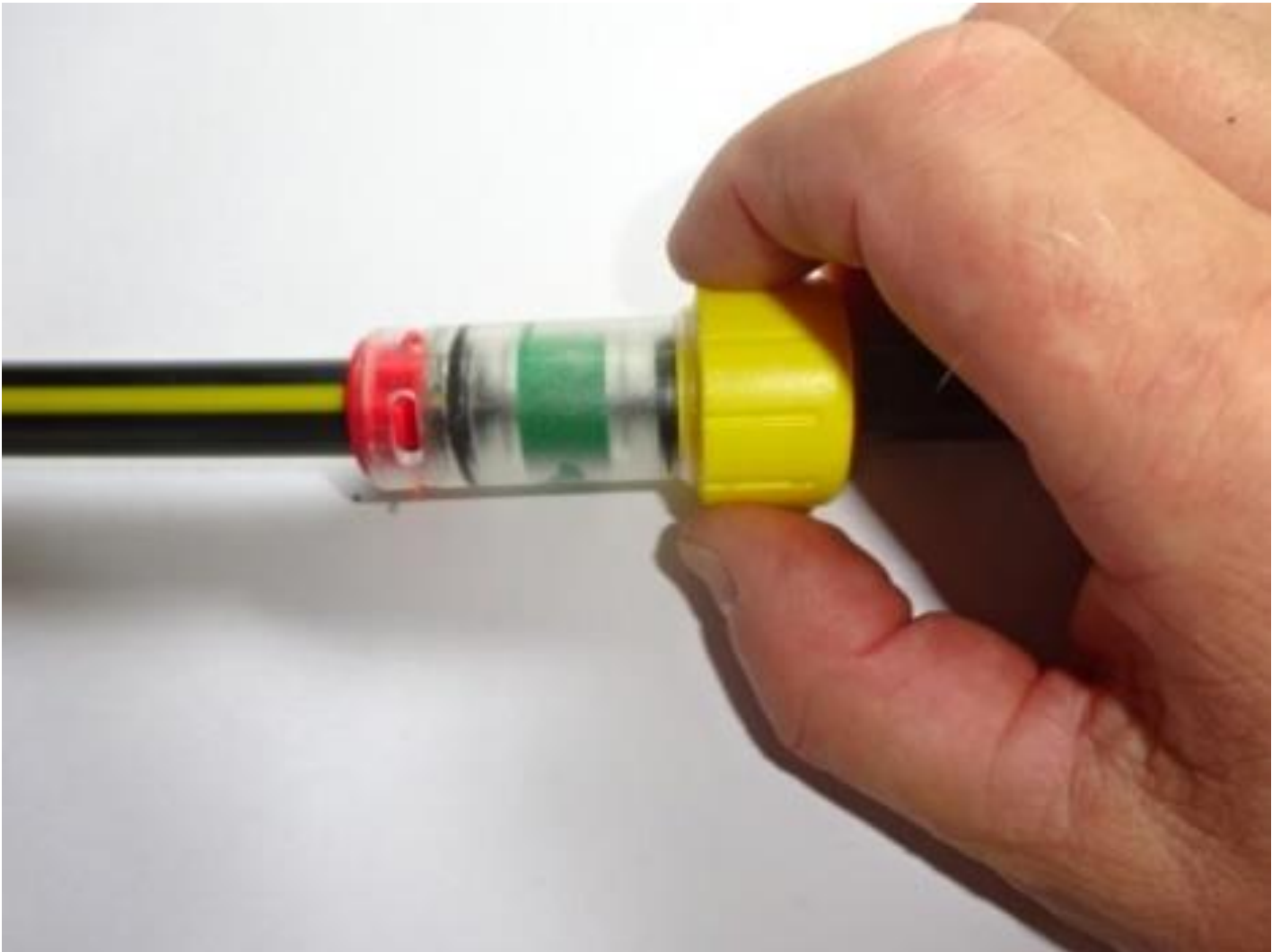
No Picture

Repeat steps 10 to 15 on the other closure. In the event that there is excess cable compared with mini-duct the cable can be pulled gently by hand from the end of the route.

Cable Installation Guide

Method For Releasing the 14/10mm Mini-duct

Step 1



Unscrew the yellow nut to release the seal from around the cable.

Cable Installation Guide

Step 2



Clip the Mini-duct Release Tool over the 14/10mm mini-duct.

Cable Installation Guide

Step 3



Slide the tool into the drop port.

Cable Installation Guide

Step 4



Whilst pushing the tool into the port gently pull the 14/10mm mini-duct away from the port.

Cable Installation Guide

Step 5



Pull the 14/10mm mini-duct away from the closure.

Cable Installation Guide

Step 6



Remove the tool from the 14/10mm mini-duct.

Cable Installation Guide

Method For Sealing SDMB5

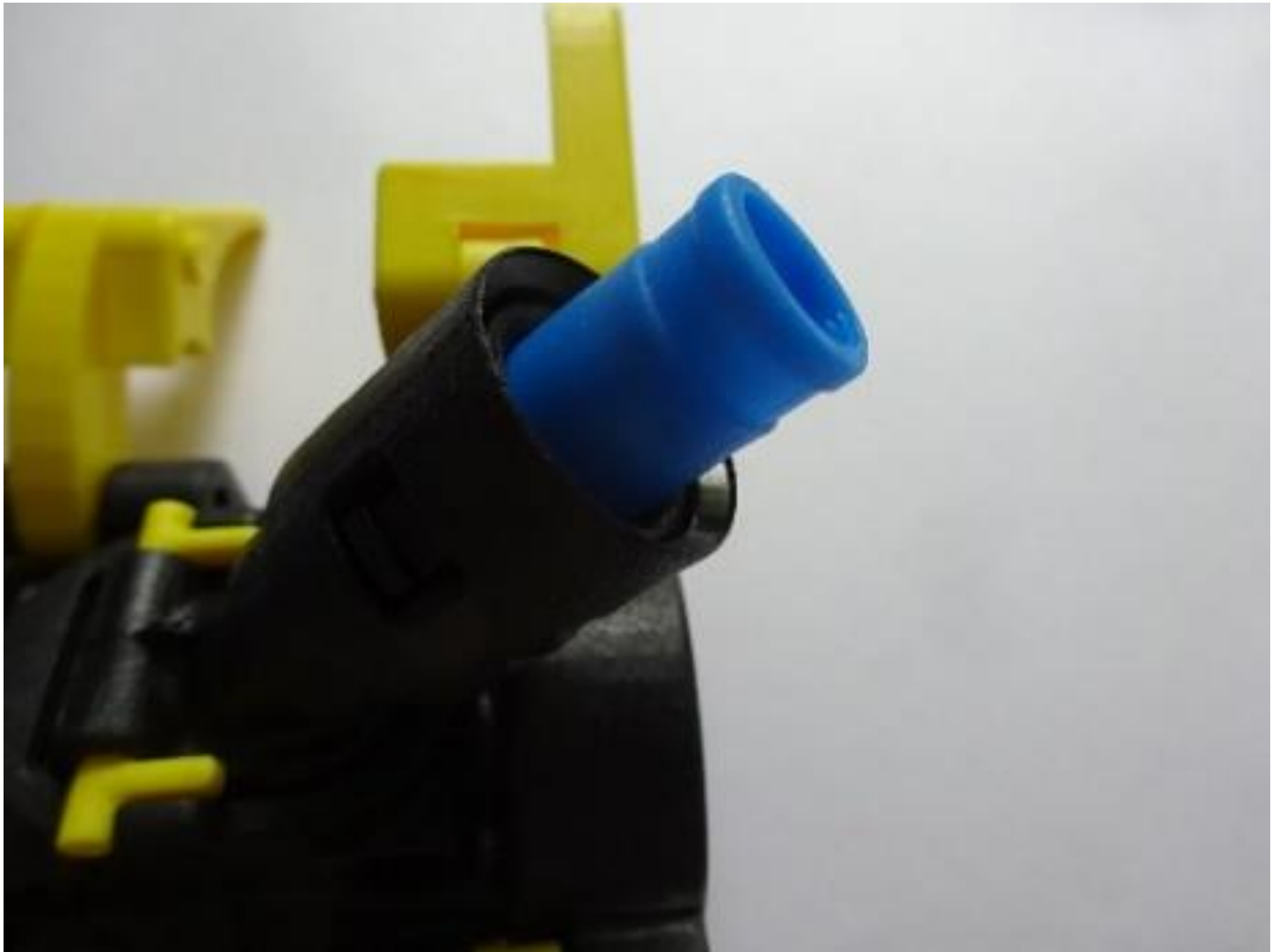
Step 1



Release the toggle clamps from the closure.

Cable Installation Guide

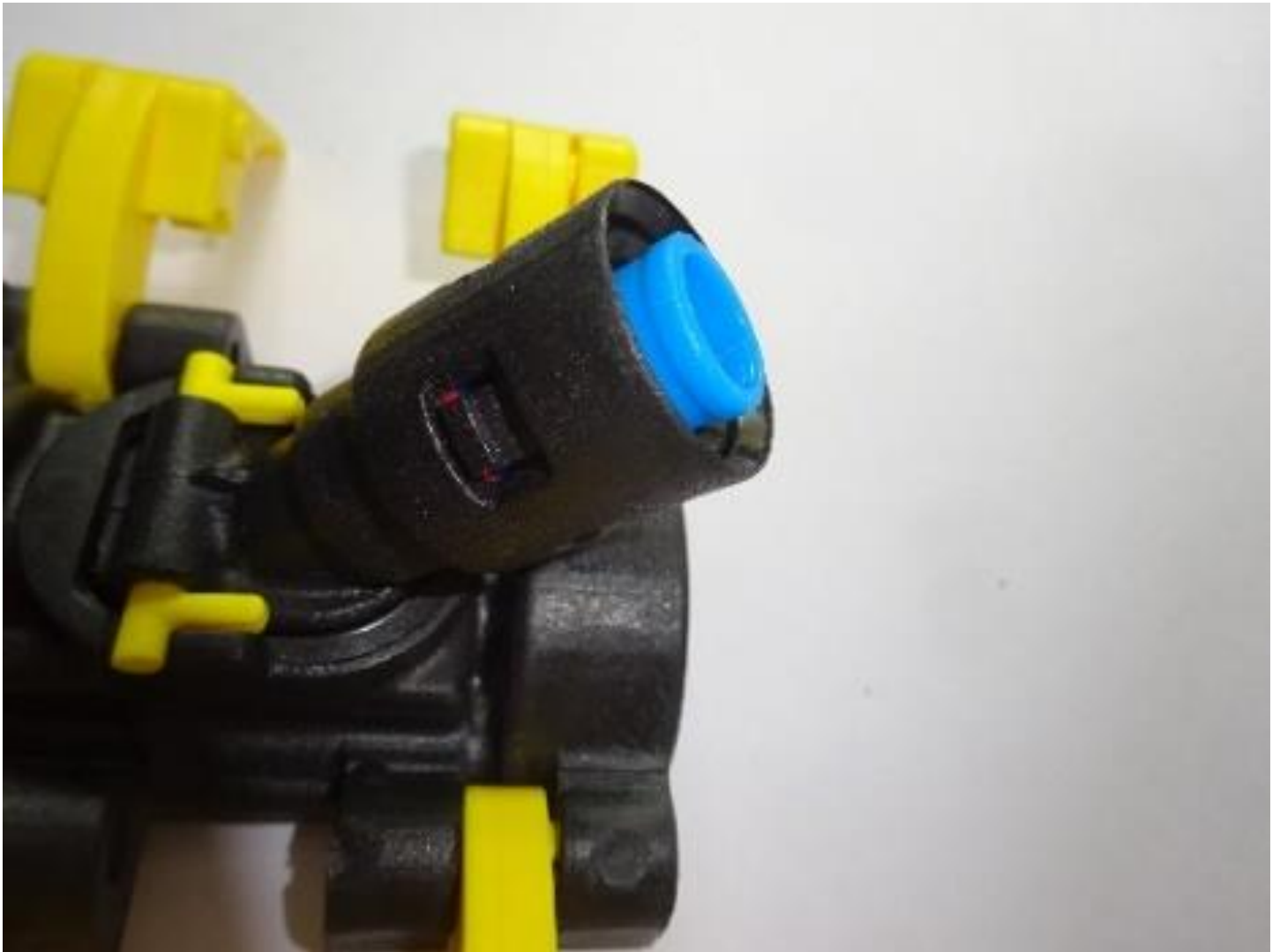
Step 2



Insert the 14mm Port Plug into the port.

Cable Installation Guide

Step 3



Push the plug home fully until it comes against a stop.

Cable Installation Guide

Step 4



Position the SDMB5 Grab Ring onto the sub-duct.

Note the orientation! The front face of the Grab Ring should be 25mm from the end of the SDMB5.

Cable Installation Guide

Step 5



Smear a film of silicone grease to all the surfaces of the closure seal that are in contact with the closure, SDMB5 & COF200.

Cable Installation Guide

Step 6



Position the seal within the bottom half of the closure.

Cable Installation Guide

Step 7



Place the top half of the closure over the bottom half.

Cable Installation Guide

Step 8

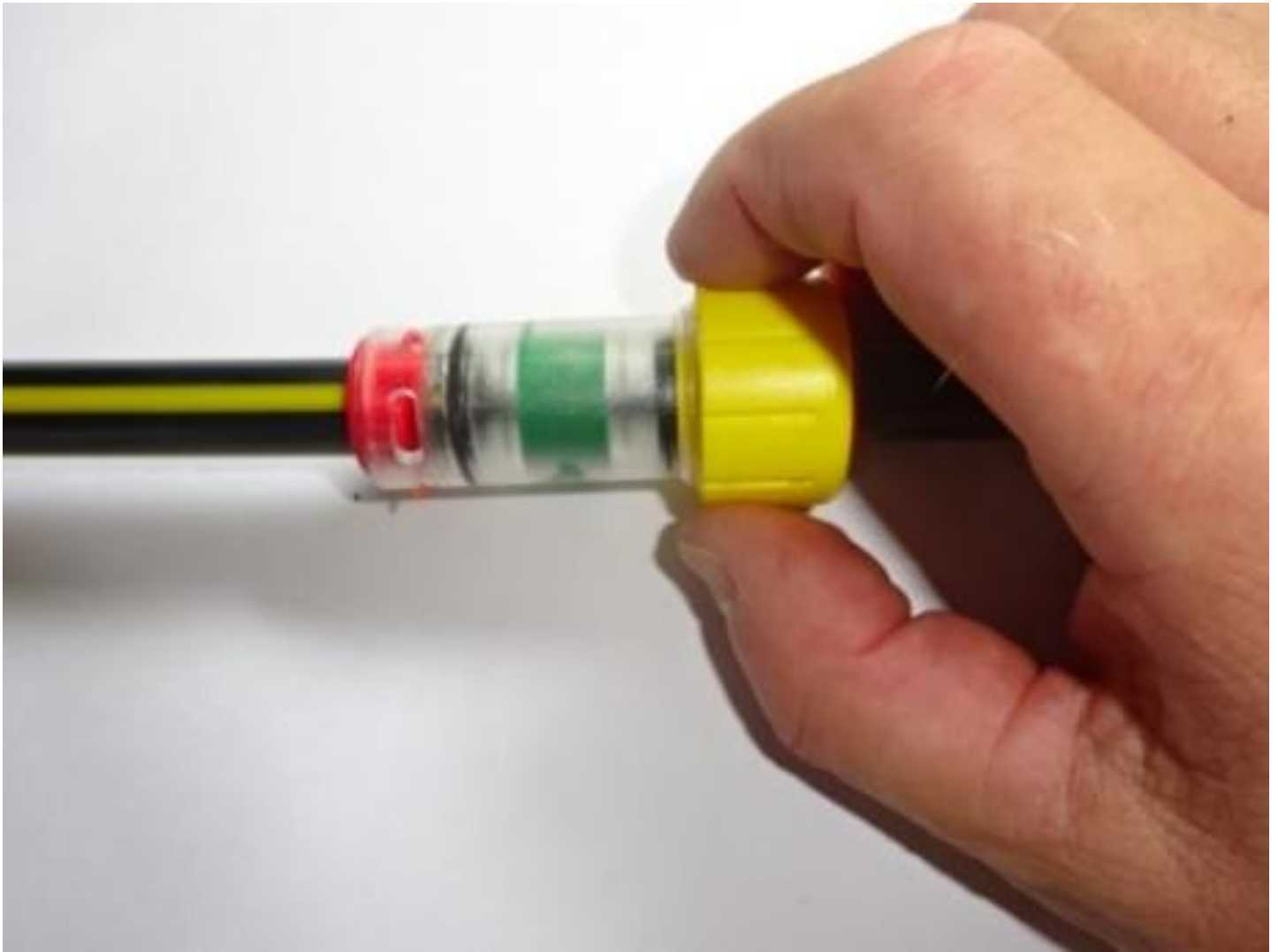


Seal the closure using the toggle clamps.

Cable Installation Guide

Method For Opening Closure

Step 1



Unscrew the yellow nut to release the seal from around the cable.

Cable Installation Guide

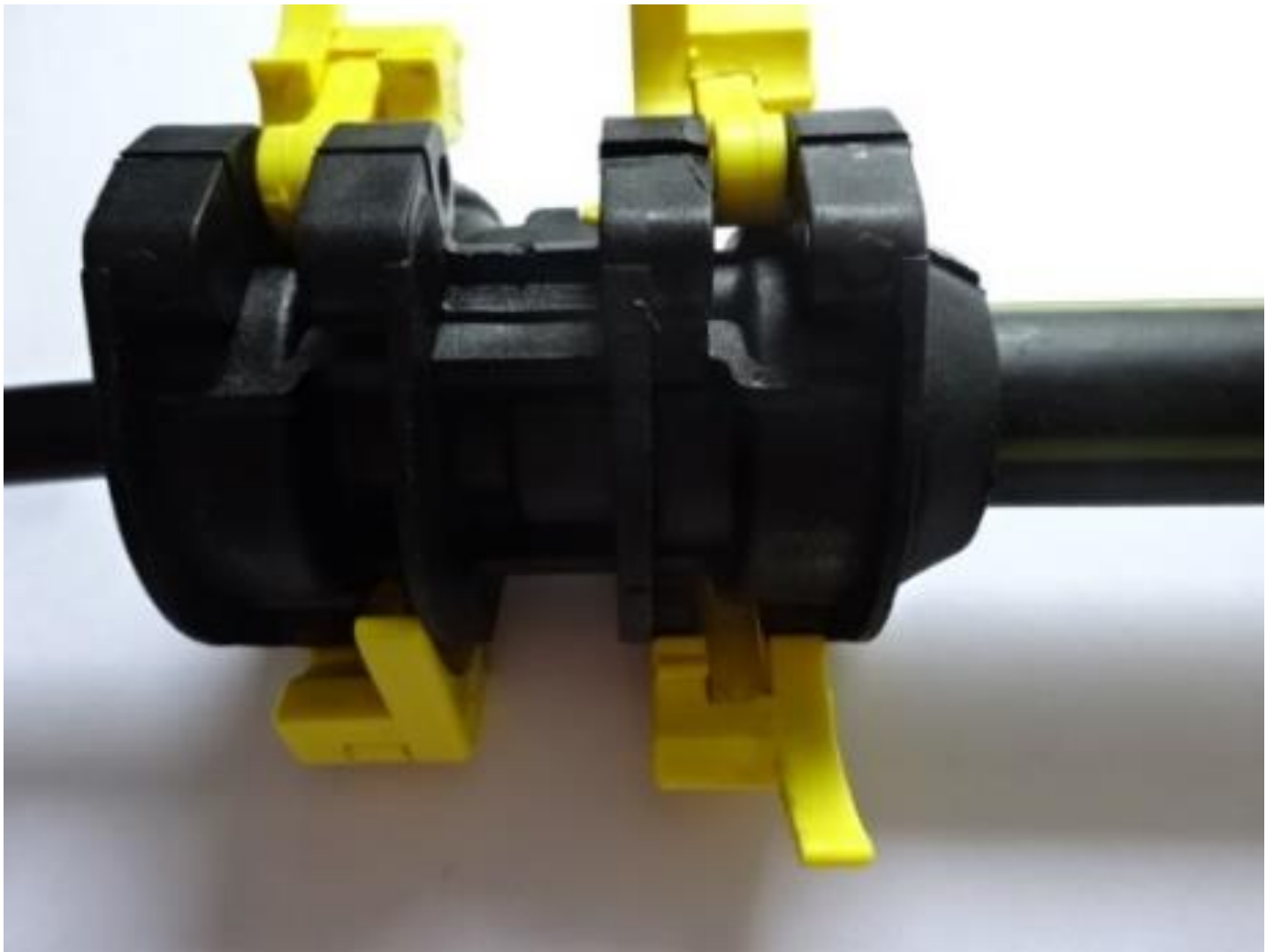
Step 2



Using the toggle release tool release the toggle.

Cable Installation Guide

Step 3



When all the toggles have been released the closure can be separated.

Cable Installation Guide

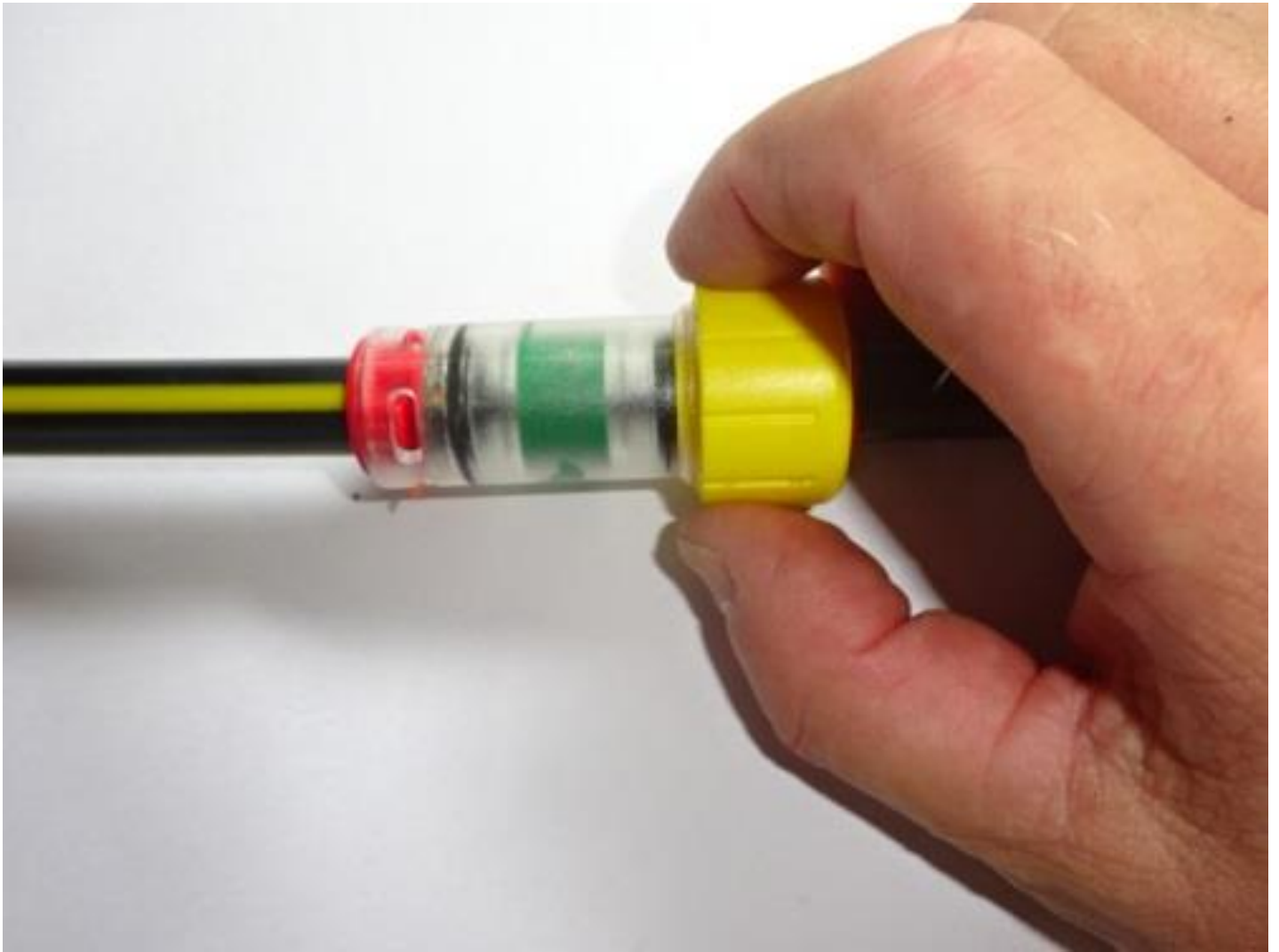
Step 4



When re-assembling the seal should be re-greased.

Cable Installation Guide

Step 5



Activate the Water block by tightening the yellow nut.
This will prevent water from entering the optical fibre joint.