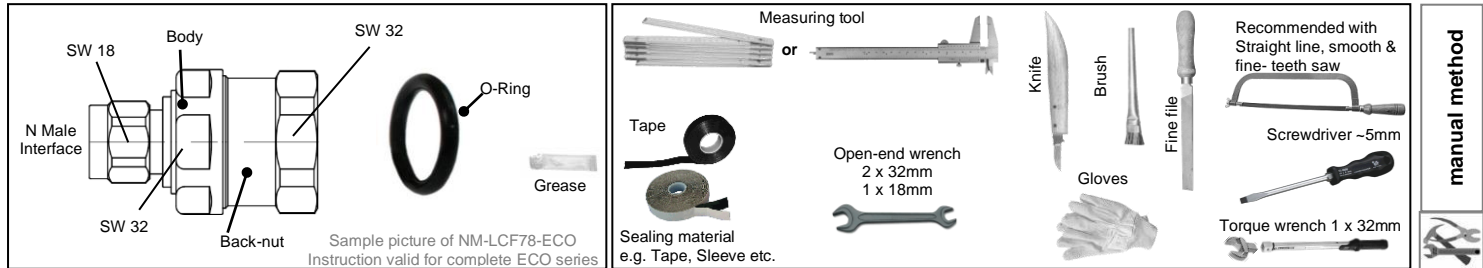


CELLFLEX® Coaxial Cable Connectors

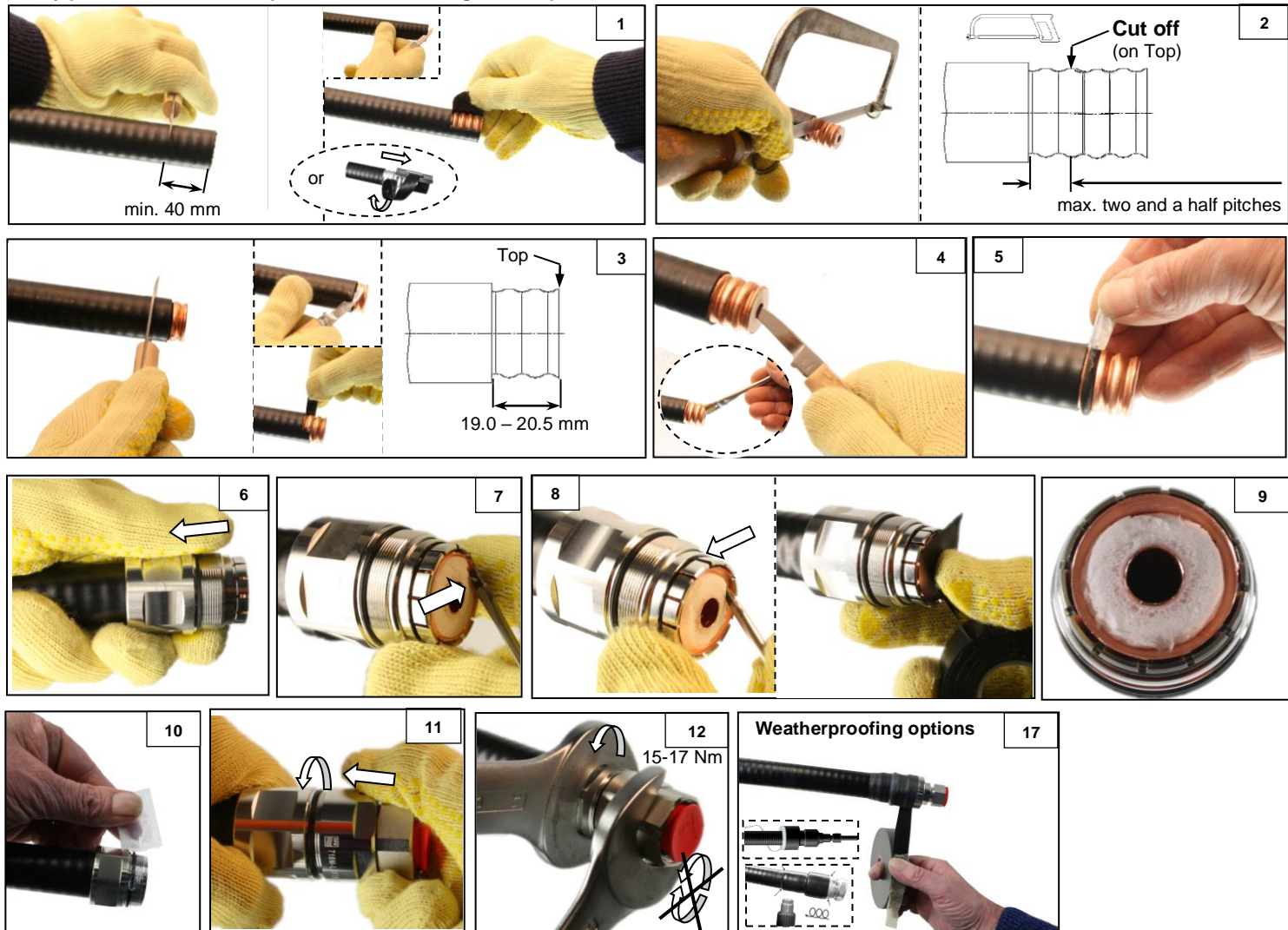
Installation Instruction

1000036998-01
LCF78-50 Cables
ECO Connectors

These instructions are written for qualified and experienced personnel. Please study them carefully before starting any work. Any liability or responsibility for the results of improper or unsafe installation practices is disclaimed. Please respect valid environmental regulations for assembly and waste disposal. Always make sure to use appropriate personal protection!



Safety precaution: Sharp blade => Protective gloves required !



Additional weatherproofing must be used for Lite (Aluminium) cable types.





Manual installation method with standard hand tools

Keep the cable end downwards to prevent particles from entering during preparation.

1. Straighten the cleaned cable front part in a length of min. 200mm (8").
Remove the jacket with a knife in the length as. Do not damage the outer conductor!
2. Cut off the cable on top of corrugation in max. two and a half pitches from the jacket.
Make sure to cut in a right angle to cable axis!
3. Cut and remove the jacket in the distance as shown. Do not damage the outer conductor.
4. Deburr inner- and outer conductor each from in- and outside. Remove any particles.
5. Slide the O-Ring onto cable – positioned in the valley before jacket as shown. Wipe a light film of grease on the O-Ring.
6. Push back-nut onto the cable until it is in line with the flat cable front. Attention: Make sure that the O-Ring slides over the outer conductor without getting pushed out of position.
7. Keep the back-nut in position while slightly running the tip of a screwdriver (rounded edges) around the outer conductor to separate the foam and create an outer conductor flare. Flare diameter must be evenly round and concentrically to the cable axis.
8. The flared area (cone) has to be free of any dielectric material, if necessary, bend the dielectric back to the centre. Clean the prepared cable end; remove any particles very carefully with a brush. It is not recommended to use steel or similar hard brushes, because these can deeply press particles inside the dielectric. Adhesive tape can be used additionally for removing the finest particles.
9. Check the complete preparation.
10. Wipe the back nut O-Ring with a light film of grease.
11. Push connector front part onto prepared cable end; do not turn the front part! Pay attention to straight position of connector parts while tightening the connector by turning the back-nut only (first by hand).
12. Keep the connector body steady and tighten the back-nut of the connector by use of open-end wrenches. Tighten properly up to 17 Nm. Keep the interface of the connector clean.
13. Weatherproofing

Important Remarks:

Additional weather protection is necessary when installed on Lite (Aluminium) cable!

In general this is also recommended for copper cables especially if installed outside.

Possible methods:

- E.g., with Sealing tape, Weatherproofing kit or Cold Shrink Sleeve
Clean cable and connector and continue according to the applicable installation instruction.
- With Heath shrink sleeve
Roughen the jacket with fine grained sandpaper (e.g., 180 grain) and clean the shrinking area e.g., with cable cleaner. Pre-heat the cable jacket to hand warm and the connector to approx. 60°C. Slide the heat shrink sleeve into place over the connector body as shown. Shrink the sleeve with a soft yellow flame if using a gas burner or go for hot air gun. Shrink the sleeve onto the connector by smoothly applying a constant flame (heat) wit a circular motion until the sleeve will lay flat all around and the hot solvent adhesive discharged all around. Continue with an even circular motion proceeding in direction of the cable until it shrinks smoothly forming a weatherproof seal and the hot solvent adhesive discharged all around on both ends. Note: Do not overheat especially the jacket (max. temperature = 70°C, shrinking temperature is typically around 130°C).

Additional weatherproofing must be used for Lite (Aluminium) cable types.

