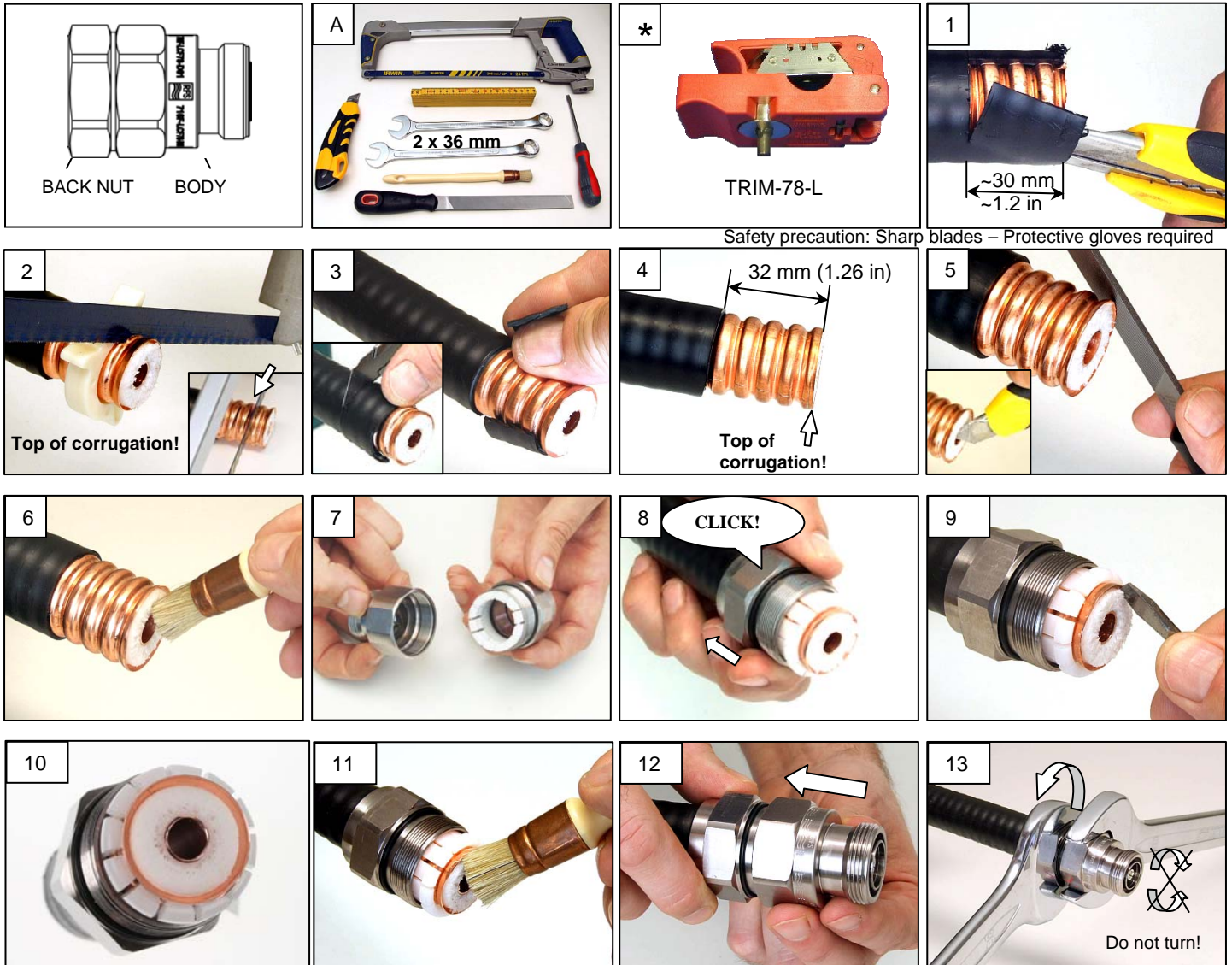




CELLFLEX® Coaxial Cable Connectors

Installation Instructions 2800086-D LCF/UCF (L) cables 78-50 OMNI FIT™ Premium Connectors Series D01

This instruction is based on the use of standard hand tools. See opposite page for use of RFS automated trimming tools.



A. Standard tools for manual installation.

* The Trimming tool RFS Model name TRIM-78-L can also be used for the installation. Please additionally refer to the instructions supplied with the tool, also available on www.rfsworld.com

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

1. Remove carefully a piece of jacket 2–3 cm (0.8-1.2 in) using a knife. Do not damage the outer conductor!
2. Cut the cable on top of a corrugation valley in a right angle to cable axis using a fine toothed hacksaw. Or use the plastic cutting guide TRIM-CG-78 as shown to assist.
3. Remove carefully 32 mm (1 1/4") of the jacket using a knife.
4. Check dimension and make sure that the cable has been cut on top of the corrugation.
5. Deburr the outer- and inner conductors from in- & outside. Remove all metallic particles very carefully.
6. Clean the cable using a brush.
7. Connector parts.
8. Push back nut onto cable until claw falls into first corrugation

valley as shown.

- Attention:** Make sure that the O-ring slides over the outer conductor without getting pushed out.
9. Slightly flare the outer conductor by running the tip of a screw driver (rounded edges) around the outer conductor to separate the foam and create an outer conductor flare. Flare diameter has to be evenly round and concentrically to the cable axis.
 10. The flared area (cone) has to be free of any dielectric material, if necessary bend the dielectric back to the centre.
 11. Clean the prepared cable end, remove any particles very carefully.
 12. Push the connector body onto prepared cable end, tighten the connector first by hand by turning the back nut only. Never turn the front part of the connector!
 13. Keep the connector body steady and tighten the back nut of the connector to mechanical stop (no visible cap between body and back nut – this corresponds to a torque of approximately 30 Nm) by the use of two spanners.

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!



Radio Frequency Systems · www.rfsworld.com

United States +1-203-630-3311 · Germany +49-511-676-2731

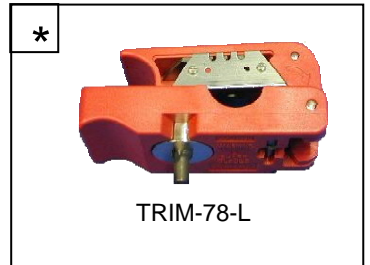
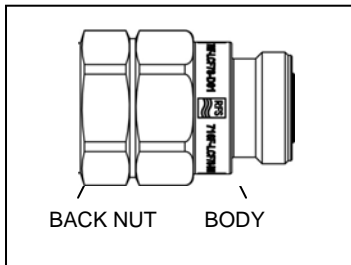
Australia +61-3-9751-8400 · Brazil +55-11-4785-2433 · China +86-21-5774-4500



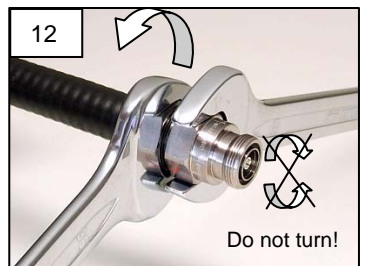
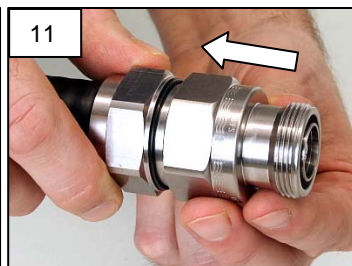
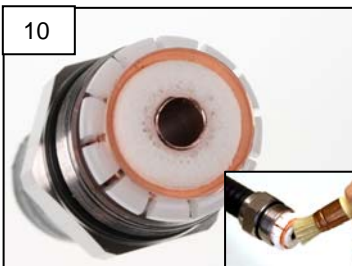
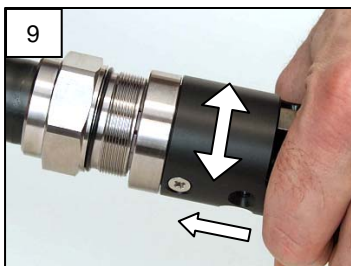
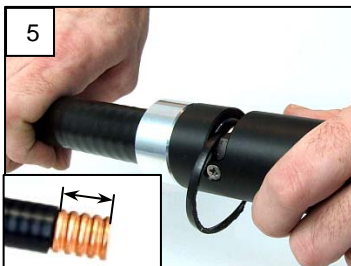
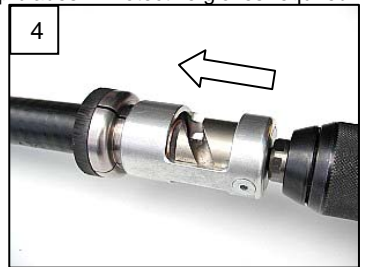
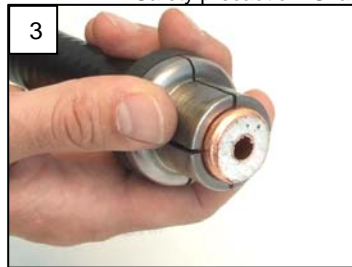
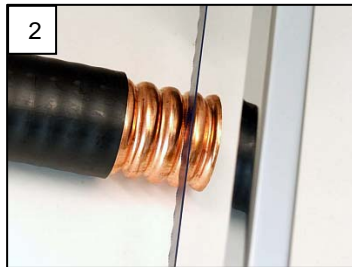
CELLFLEX® Coaxial Cable Connectors

Installation Instructions 2800086-D LCF/UCF (L) cables 78-50 OMNI FIT™ Premium Connectors Series D01

This instruction is based on the use of RFS Automated trimming tools. See opposite page for use of standard hand tools.



Safety precaution: Sharp blades – Protective gloves required



- A. Standard tools
- B. Automated trimming tool & drilling machine.
- * The Trimming tool RFS Model name TRIM-78-L can also be used for the installation. Please additionally refer to the instructions supplied with the tool, also available on www.rfsworld.com
Keep the cable end downwards in order to prevent particles from entering during preparation.
- 1. Remove the jacket using the jacket stripping tool. Press and turn until mechanical stop.
- 2. Cut the cable in the valley of a corrugation using a hacksaw.
- 3. Place the tool guide as shown.
- 4. Strip the cable. Press against the cable and turn at medium speed (app. 300 rpm) until mechanical stop.
- 5. Remove tool guide and repeat the jacket stripping operation. Press and turn until mechanical stop. Check the stripping dimensions shown on picture 4 on opposite page
- 6. Connector parts
- 7. Push back nut onto cable until claw falls into first corrugation valley as shown.

- Attention:** Make sure not to push out the O-ring of the connector.
- 8/9. Use the flaring tool (opposite end of the jacket stripping tool). Press against the cable and rotate several times to slightly flare the outer conductor.
- 10. 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.
- 11. Push the connector body onto prepared cable end, tighten the connector first by hand by turning the back nut only. Never turn the front part of the connector!
- 12. Keep the connector body steady and tighten the back nut of the connector to mechanical stop (no visible gap between body and back nut – this corresponds to a torque of approximately 30 Nm) by the use of two spanners.
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!



Radio Frequency Systems · www.rfsworld.com

United States +1-203-630-3311 · Germany +49-511-676-2731

Australia +61-3-9751-8400 · Brazil +55-11-4785-2433 · China +86-21-5774-4500