

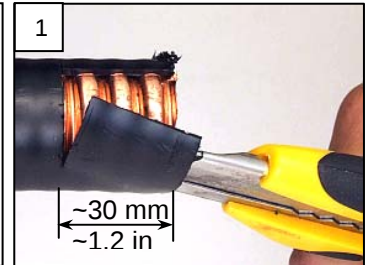
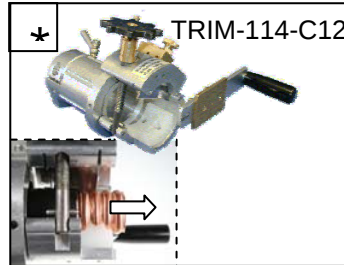
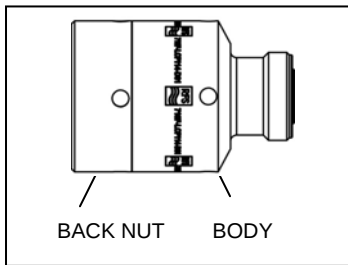
Installation Instructions

2800087-D

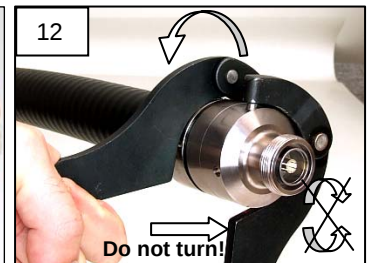
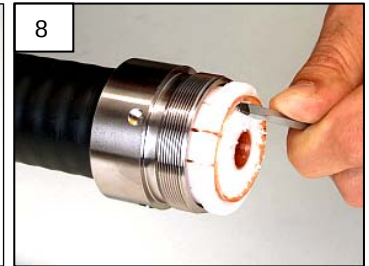
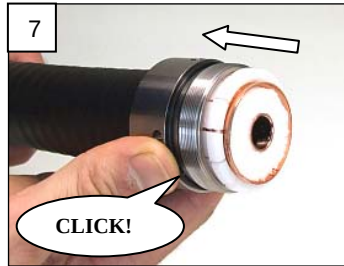
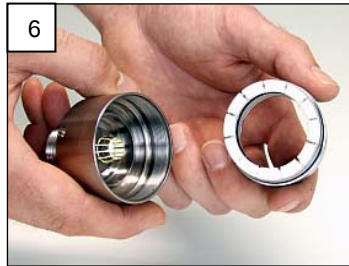
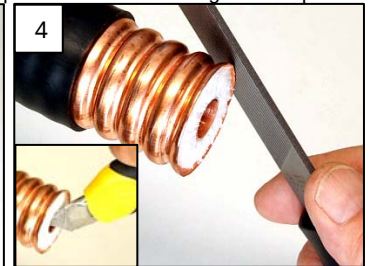
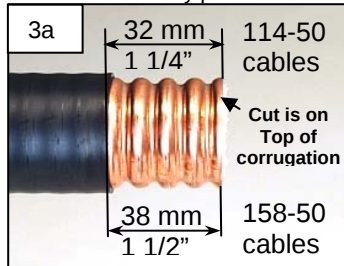
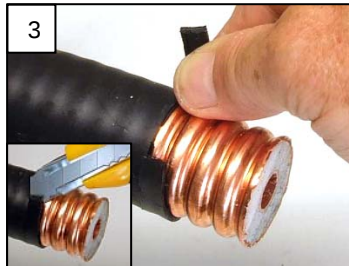
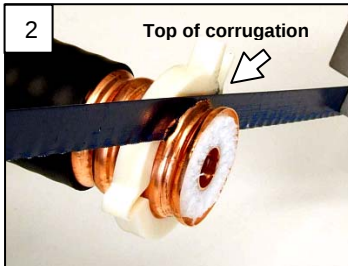
LCF(S)/UCF (L)cables 114-50 & 158-50

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.



Safety precaution: Sharp blades – Protective gloves required



A. Standard tools for manual installation

* The Trimming tool RFS Model name TRIM-114-C12 can also be used for the installation. Please refer to the instruction supplied with the tool. In order to get the best possible performance of the connector insert the cable completely to the front (the knife a little bit more to the end of the cable), but without moving the plastic inlet out of the correct position).

1. Remove carefully a piece of jacket ~3 cm (~1.2 in) using a knife. Do not damage the outer conductor.
2. Cut the cable on top of a corrugation in a right angle to cable axis using a fine toothed hacksaw. Or use the plastic cutting guide TRIM-CG-114 or TRIM-CG-158 as shown to assist.
3. Remove carefully a piece of jacket in a length of 32mm (1 1/4") for 114-50 cables or 38mm (1 1/2") for 158-50 cables. Check dimensions of the preparation as shown.
4. Deburr the outer- and inner conductors from in- & outside.
5. Clean the cable using a brush.
6. Connector parts.
7. 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.

8. 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 concentric to the cable axis.
9. The flared area (cone) has to be free of any dielectric material, if necessary bend the dielectric back to the centre.
10. 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 50 Nm for 11/4" and 65 Nm for 15/8" cables) by the use of two poly hook 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!



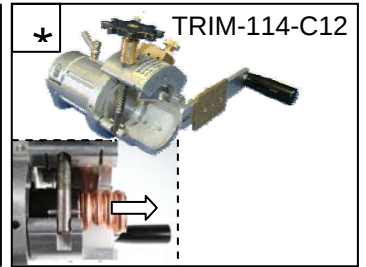
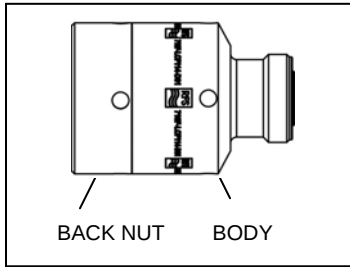
CELLFLEX® Coaxial Cable Connectors

Installation Instructions

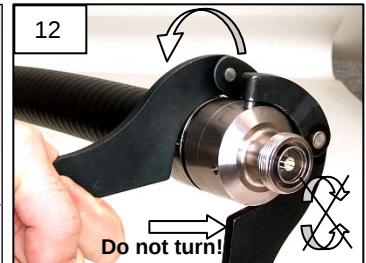
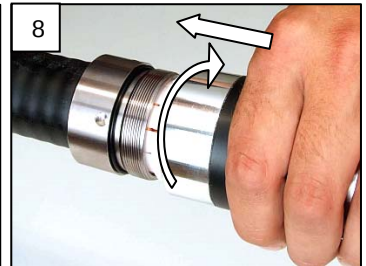
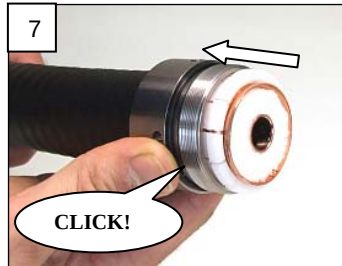
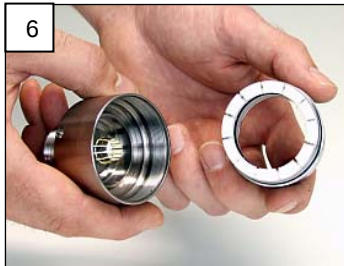
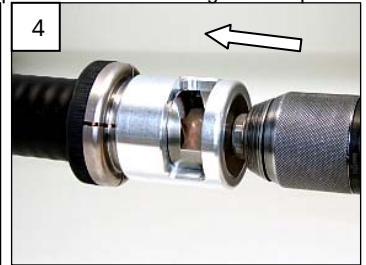
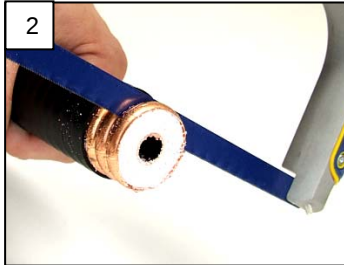
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LCF(S)/UCF (L)cables 114-50 & 158-50
OMNI FIT™ Premium Connectors Series D01

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



Safety precaution: Sharp blades – Protective gloves required



A. Standard tools for manual installation

B. Automated trimming tool & Stripping tool

* The Trimming tool RFS Model name TRIM-114-C12 can also be used for the installation. Please refer to the instruction supplied with the tool. In order to get the best possible performance of the connector insert the cable completely to the front (the knife a little bit more to the end of the cable front), but without moving the plastic inlet out of the correct position).

1. Strip the jacket using the jacket tool. Press and turn until the mechanical stop is reached.
2. Cut the cable in a valley of corrugation using a fine toothed hacksaw.
3. Place the tool guide as shown.
4. Strip the cable. Press against the cable and turn slowly (app. 300 rpm) until the physical stop is reached.
5. Remove tool guide and repeat the jacket stripping operation. Press and turn until mechanical stop. Check the stripping dimensions shown on picture 3a on opposite page.
6. Connector parts.
7. 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.

8. 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.
9. The flared area (cone) has to be free of any dielectric material, if necessary bend the dielectric back to the centre. Flare diameter has to be evenly round and concentrically to the cable axis.
10. 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 50 Nm for 11/4" and 65 Nm for 15/8" cables) by the use of two poly hook spanners.

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