



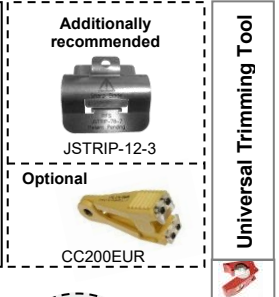
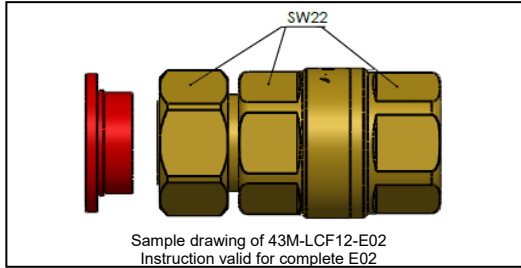
CELLFLEX® Coaxial Cable Connectors

Installation Instructions

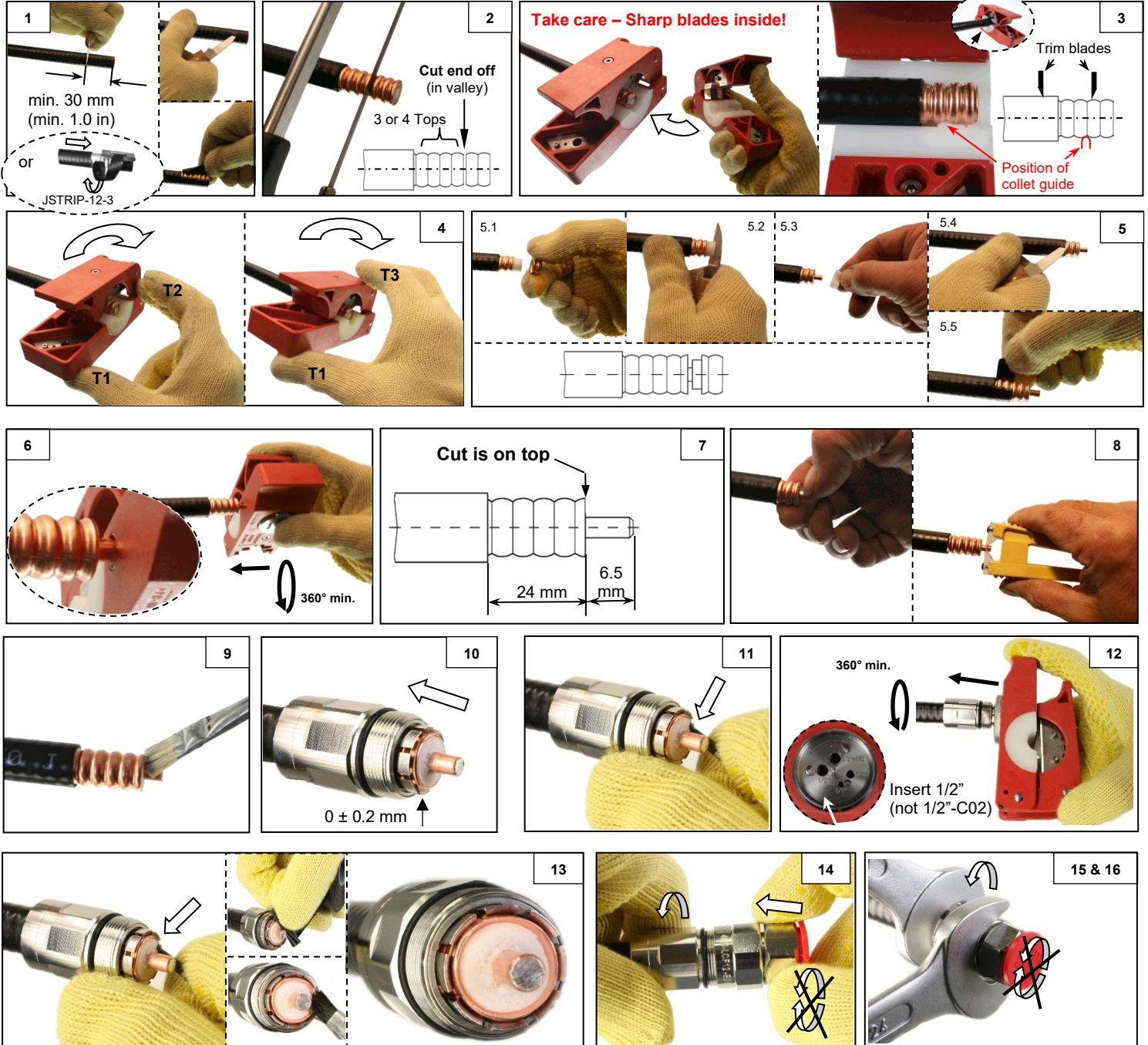
10000039390-01
LCF12-50 Cables

OMNI FIT™ E02 Connectors

This installation instruction has been written for qualified, skilled personnel. Please study them carefully before starting any work. RFS disclaims any responsibility for the result of improper or unsafe installation. All national safety and environmental regulations must be followed during installation. To avoid risk of injury, RFS strongly recommends wearing personal protection during the installation process.



Safety precaution: Sharp blade => Protective gloves required!





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Connectors**

Installation Instructions

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LCF12-50 Cables
OMNI FIT™ E02 Connectors

Installation method with Universal Trimming Tool

TRIM-SET-L12-D01

Consist of:



Body:

Flaring tool:

Insert:

TRIM-U-14-78

TRIM-FL14-12

TRIM-IL12-D01

Insert consist of:

Blade holder:

Collet:

TRIM-IL12-D01

TRIM-IL12

Attention:

The trimming tool must be handled and used with care – the blades are extremely sharp! RFS recommends using protective gloves.

Refer also to the instructions for the Universal Trimming Tool.

Straighten the cleaned cable end over a minimum length of 200 mm. Keep the cable end facing downward to prevent particle ingress.

1. Remove the jacket to the specified length using a knife (recommended: stripping tool JSTRIP-12-3). Do not damage the outer conductor.
2. Cut the cable with a fine-toothed hacksaw in a corrugation valley, perpendicular to the cable axis. Leave 3–4 corrugation crests exposed.
3. Insert the cable into the trimming tool: position the collet guide in the second corrugation valley from the front; the main blade must align with the second crest. Ensure the cable sits fully in the tool base. Close the blade housing.
4. Rotate the trimming tool clockwise (hold only at T1 and T2). Do not exceed the preset spring force. After cutting the outer conductor, continue rotating (T1, T2, T3) until dielectric and jacket are cut. Open the tool and remove it.
5. Remove the cut outer conductor. Carefully slit and remove dielectric and jacket longitudinally. Do not damage the outer conductor.
6. Chamfer the inner conductor using the tool deburrer. Insert the conductor, apply light pressure, and rotate clockwise several times.
7. Verify cable preparation dimensions.
8. Ensure a clean metallic contact surface on the exposed inner conductor. Completely remove all foam and adhesive (may appear transparent) manually or with a suitable tool (e.g. CC200EUR). Do not damage the copper cladding or bend the conductor.
9. Remove all particles with a brush.
10. Slide the connector back nut onto the cable until it aligns with the outer conductor.
11. Slightly push back the dielectric to create space for the flaring pin.
12. Insert the inner conductor into the correct hole of the flare tool (marking 1/2", not 1/2"-C02). Ensure the flaring pin sits between outer conductor and dielectric. Push the back nut forward, apply light pressure, and rotate clockwise to flare the outer conductor. The flare must be uniform and concentric.
13. The flared cone must be completely free of dielectric. If required, push dielectric back. Clean thoroughly; remove particles carefully with a soft brush. Do not use steel brushes. Adhesive tape may be used for fine particles.
14. Push the connector front part onto the cable end without rotation. Align components and tighten by turning the back nut only (hand-tight first).
15. Hold connector body and cable steady. Tighten the back nut with an open-end wrench to the mechanical stop. Ensure no gap remains. Keep the connector interface clean.

