



**CELLFLEX® Coaxial Cable  
Connectors**

**Installation Instruction**

1000037509-01  
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!

	<p>Measuring tool or</p> <p>Tape</p> <p>Sealing material e.g. Tape, Sleeve etc.</p> <p>Recommended with Straight line, smooth &amp; fine-teeth saw.</p> <p>Universal Trimming tool TRIM-SET-L78-C02</p> <p>Gloves</p> <p>Knife</p> <p>Brush</p> <p>2 x 32mm</p>	<p>Additionally recommended</p> <p>JSTRIP-78-2</p> <p>Trimming tool method</p>
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**Safety precaution: Sharp blade - Protective gloves required.**

<p>1</p> <p>min. 45 mm</p>	<p>2</p> <p><b>Take care – Sharp blades inside.</b></p>	<p>min. 4 corrugations (in front of the blade)</p> <p>Collet</p>
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<p>2a</p> <p>Trim blades</p> <p>Main blade on top</p> <p>Position of collet guide</p> <p>max. two and a half pitch</p>	<p>3</p> <p>T2</p> <p>T1</p>	<p>4</p> <p>T3</p> <p>T1</p> <p>+ 2x</p>	<p>5</p> <p>Top</p> <p>21.0 – 21.5 mm</p>
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<p>6</p>	<p>7</p>	<p>8</p>	<p>9</p>
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<p>10</p>	<p>11</p> <p>Min. 360° min. 3 x</p>	<p>12</p>	<p>13</p>	<p>14</p>
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<p>15</p>	<p>16</p> <p>15.0 Nm</p>	<p>17</p>
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### Installation method with Universal Trimming Tool



**TRIM-SET-L78-C02**  
Consist of:

Body: TRIM-U-14-78  
Flaring tool: TRIM-FL78  
Insert: TRIM-IL78-C02  
Insert consist of:  
Blade holder: TRIM-IL78-C02  
Collet: TRIM-IL78

#### Attention:

Trimming tool to be handled and used with great care, blades are extremely sharp!  
It is recommended to use protective gloves. Do not use great force.

### Please refer to the instruction of the Universal Trimming Tool in addition.

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.  
Remove the jacket with a knife in the length as shown (it is recommended to use the stripping tool JSTRIP-78-2). Do not damage the outer conductor.
2. Insert cable into trimming tool, so that min. 4 corrugations are in front of the main trim blade. Position collet guide of trimming tool in the first corrugation nearest to the trimmed cable jacket. The cable also fits properly to the complete base of the tool. The main blade is located on the crest (top) of the corrugation.
3. Rotate trimming tool around the cable in direction of the arrow shown on the tool by touching tool turning points T1 and T2 only. Do not use any additional force greater than the preset trimming tool spring tension. Once the outer conductor is cut, continue turning the tool whereby the tool can be touched on tool turning points T1, T2 and T3 until the cable is completely cut (outer- & inner conductor). Turn the tool min. 2 more times around the cable to make sure the jacket will be cut as well. Open blade housing and remove the tool.
4. Cut the jacket lengthwise with knife carefully; do not damage the outer conductor. Remove the jacket.
5. Check trimming dimensions.
6. Slide the O-Ring onto cable – positioned in the valley before jacket as shown. Wipe a light film of grease on the O-Ring.
7. Insert the ring into the back nut.
8. Push the nut back onto the cable until the clapper is stuck on the first trough.
9. Push the nut in the direction of the ring until the ring is closed.
10. Push a bit of dielectric to the centre to have a free space to insert the flaring pin of the tool as required for next step.
11. Insert cable guide pin of the trimming tool into the cable inner conductor; make sure that the flaring pin is located between outer conductor and foam/dielectric (in the free space made before). Keep pushing the back-nut to the front while turning the trimming tool to flare the outer conductor and deburr the inner conductor. Flare diameter must be evenly round and concentrically to the cable axis.
12. The flared area (cone) must be free of any dielectric material, if necessary, bend the dielectric back to the centre.
13. Clean the cable end, remove any particles very carefully. Tip: tape can be used additionally to remove the finest particles.
14. Careful preparation is important especially for proper PIM performance.
15. Pay attention to straight position of connector parts while pushing the front part to the cable/connector and tightening the connector by turning the back-nut only (first by hand). Never turn the front part of the connector.
16. Keep the connector body steady, also keep pressing the front part and tighten the back-nut of the connector using open-end wrenches. Tighten properly, recommended torque is 15 Nm. Keep the interface clean.
17. Finish assembly.

