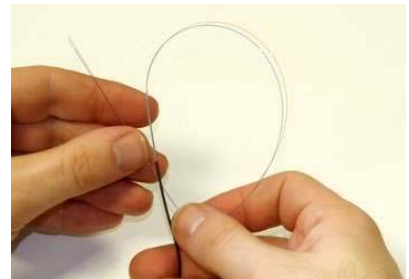


fibreflow™ Microcable FU Stripping Instructions



Safety

It is recommended that safety glasses are worn at all times when handling the fibre. Always dispose of waste fibre in an official 'sharps' bin (this includes any filling elements).



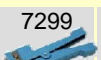
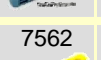

Tool Options

Emtelle Microcable FU is quick and easy to strip. The individual 250 micron fibres when peeled from the matrix are free from residue or gel allowing faster jointing times. There a wide variety of tools capable of stripping Microcable FU. The stripping process has three clearly defined stages:

1. remove the sheath
2. remove approx 20mm of matrix material
3. peel the 250 micron fibres from the matrix material by hand

Tools supported by Emtelle are shown in the table below.

Stripping Tools for Emtelle Microcable FU

Product Code	Name	Stage 1: Sheath Removal	Stage 2: Matrix Removal (20mm)	Notes
 9719A	Microcable FU Stripper	Yes (2,4,8,12 fu)	No	Precision stripper, fully adjustable cut depth
 9342	Fibre Stripper 2,4	Yes (2/4 fu only)	Yes	Precision stripper, selectable cut depth
 7299	Rotational Cutter	Yes (2,4,8,12 fu)	No	Low cost, adjustable cut depth
 7562	Jacket Stripping Tool	Yes (2,4,8,12 fu)	Yes	Low cost stripping tool, adjustable cut depth
 7335	Fibre Stripper 10A	No	Yes	Pre-set for primary coating removal from 250 micron optical fibres

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Stripping Procedure

Note that the tools shown in the following procedures are to illustrate how Emtelle Microcable FU is stripped. These procedures can be applied with any Emtelle supported tool for stripping.

Always test stripping tools on a spare piece of Microcable FU before using on installed product.

Stage 1

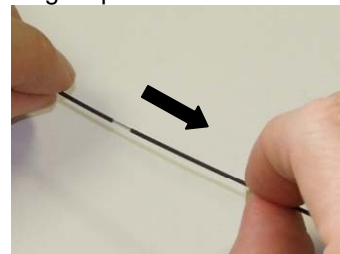
1.1 Insert Microcable FU into the tool. Note that the tool should be pre-set as per individual instruction.



1.2 Operate tool to cut through sheath. It should NOT cut or mark the matrix layer below.



1.3 Remove sheath by gripping close to the cut site and pushing towards the free end. (Depending on the tool used, it may still be attached.) By laying the Microcable FU straight, up to 3m of sheath can be removed in a single operation.



Stage 2

2.1 Remove approximately 20mm of matrix material in short lengths eg.2mm at a time. Use any suitable fibre stripping tool.



2.2 After removing approximately 20mm of matrix material, it is now possible to separate the fibres ready for the next stage.



Stage 3

3.1 Peel the fibre bundle into two equal halves and then repeat until all the fibres are stripped out..

For 2f it is 2 & 2 dummies
 For 4f it is 2 & 2.
 For 8f it is 4 & 4.
 For 12f it is 6 & 6.



It can be possible at this point to cross-over the fibres from opposite sides of the configuration.

Be careful not to do so as this can result in fibres breaking when removing the matrix material.



3.2 Hold the two evenly split bundles in two hands and carefully pull apart to the desired length.

It is important to conduct this step slowly to avoid fibres snapping. Once you have a feel for this stage it can be done quicker.



3.3 Slowly peel each 250 micron fibre from the matrix material.

When all the fibres are stripped out, simply snap off the empty matrix material.



3.4 Check each fibre to ensure all the matrix material is removed.



3.5 The Microcable FU is now stripped.

