

ARC FUSION SPLICER TECHNICAL INFORMATION No.9153 [RS02/RS03]

Messrs. Fujikura Authorized Splicer Distributors

RE: Tips for stripping Ribbon Fiber Coating

1. Tips for stripping fiber coating to make smoother splices

When you strip Ribbon Fiber Coating by a ribbon fiber stripper, take care of the following 2 points.

-Set the heat temperature appropriately according to fiber types and circumstances.

Recommendation at room temperature:

Level 2 (100deg.C) for common Ribbon Fiber

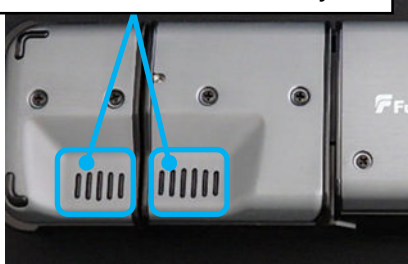


Level4 (140deg.C) for Spider Web Ribbon(SWR)



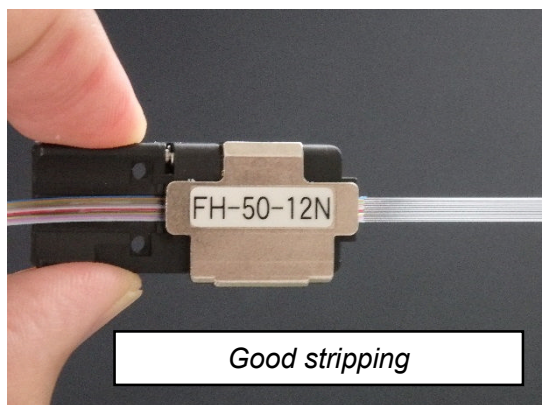
-Pull the clamp unit slowly with pressing firmly the stepped down area on the lid of both the main body and the clamp unit.

Press these areas firmly.

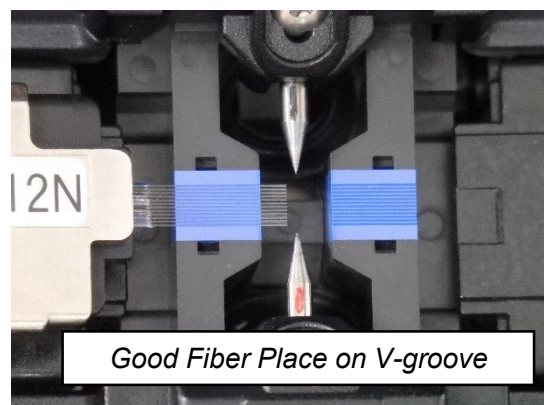


Pull the clamp unit slowly toward the arrow.

As long as you follow the setting and the procedure above, you can strip it as shown below photos and set on the V-groove of splicer smoothly.



Good stripping

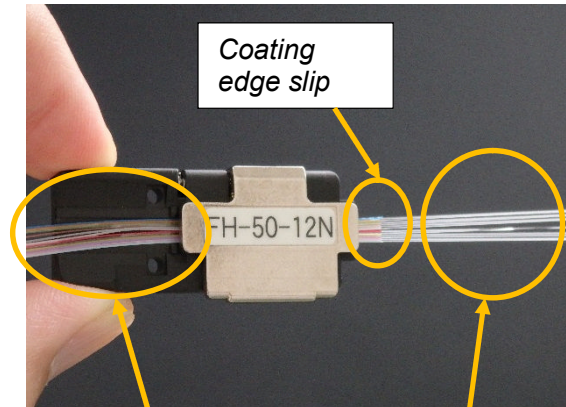


Good Fiber Place on V-groove

2. What happens if you do not follow the tips above?

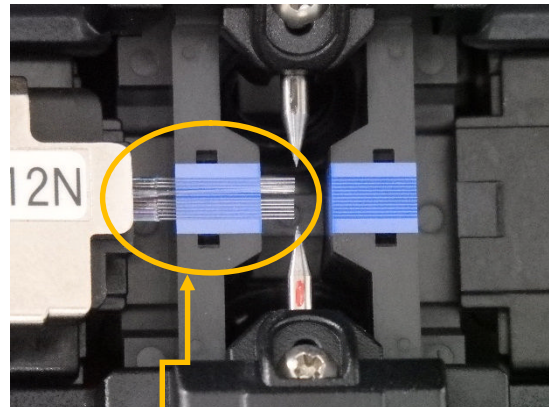
You cannot place the fiber on V-groove smoothly, splicer shows some errors such as mismatch fiber count, motor overrun, bad fiber position or large offset.

Some frequently happened cases



Some of slipped SWR

Spread bare fibers as broom



The fiber can not be set on the V-groove or errors occur at gapset.

Why??

- Lower Heat temperature setting

Ex. Level2 in low temperature, or for SWR



- Incorrect Pressed Areas

You may have insufficient clamping force to keep fiber position

Ex.1 : lid's center

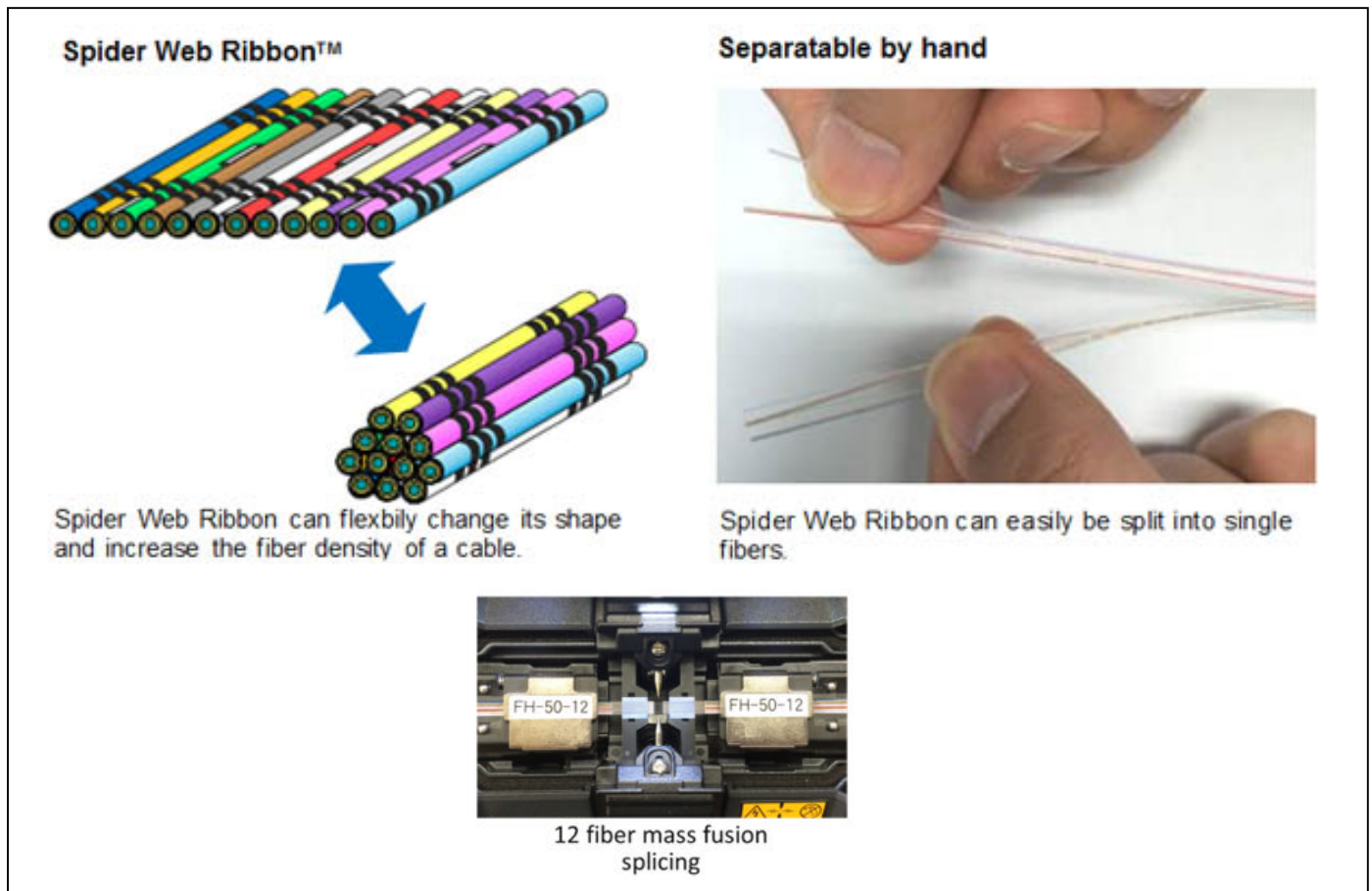


Ex.2 : fiber holder lid directly



3. What is SWR(Spider Web Ribbon)?

Spider Web Ribbon is Fujikura's novel optical fiber ribbon, which allows mass fusion splicing just like conventional optical fiber ribbon as well as drastic reduction in cable outer diameter and weight due to the flexible spider web-like structure.



If you need further information about SWR, refer to the link below.

http://www.fujikura.co.jp/eng/products/optical/opticalfibers/02/2053715_12898.html

Best regards,

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