

# Installation instruction

Pigtail replacement on Microfocus measuring spool

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microfocus 

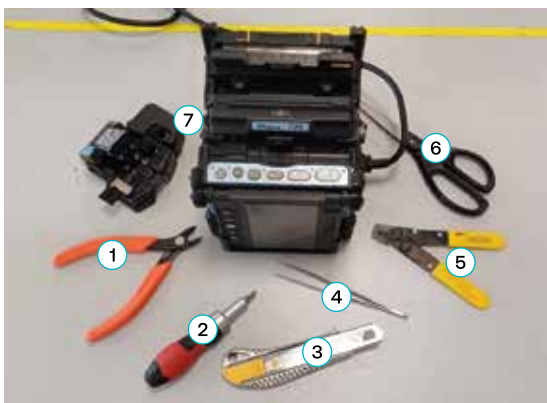
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# 1 General information

The Launch Reels are mainly used for OTDR measurements. They can sometimes be part of a network simulation system as Pulse suppressor or Delay controlled fiber. Inside the case, a splice cassette allows to connect the bare fiber launch reel to the input/output pigtails. It is therefore easy to substitute the pigtail if it is damaged or if it is necessary to change connector type. In case of broken fiber or broken connectors, the launch reel can be repaired at any time. Below the guidance step by step, how to replace the pigtail and connector.

## 1.1 Tools and material needed



N°	Description
1	Pliers
2	Screwdriver with T20 bit
3	Trimmer
4	Tweezers
5	Fiber stripping tool
6	Scissors
7	Fusion splicer



Repair kit (pigtails, splice protectors and cable tie)

# 2 Installation instruction

## 2.1 Old tails removal

Prepare box where tails need to be replaced.



Open the box.



Cut warranty label.



Unscrew four M4 screws. (bit T20)



Remove separation plate from the box.



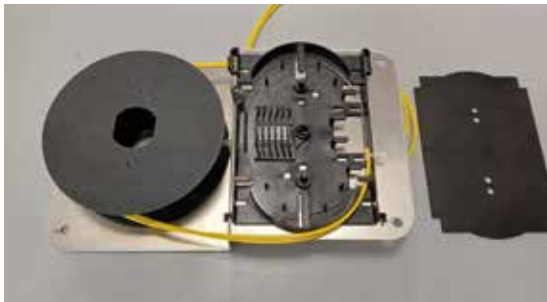
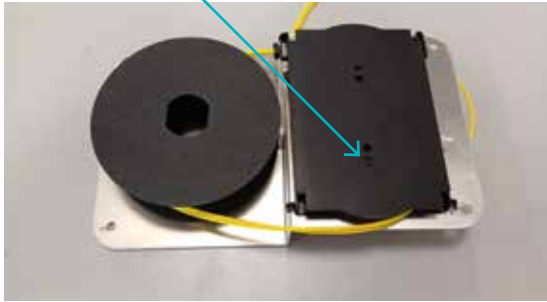
You will end up with empty box and separation plate which holds spool and splicing cassette on the back side.



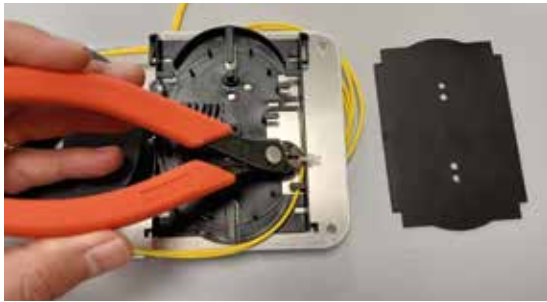
Flip separation plate so you will get access to splicing cassette.



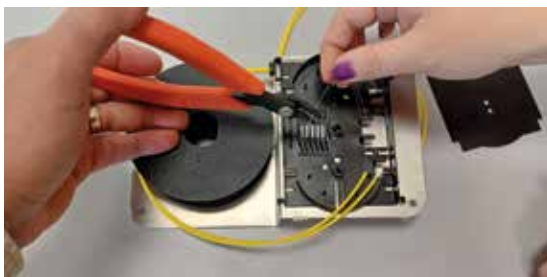
Open splicing cassette by pushing latches together.



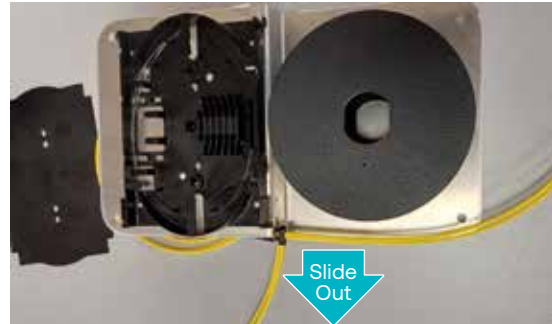
Cut old cable tie which hold tubing on cassette.



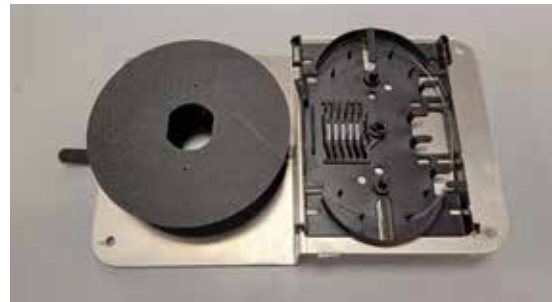
Cut fibres on old tails near splice protection holder.



Slide out bend limiter (grommet) from the groove in separation plate (with old tails).

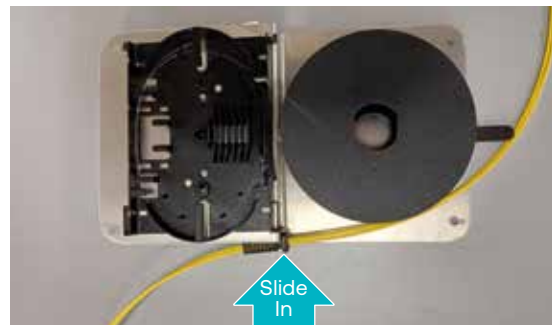


You will end up with free splicing cassette and two fibres from spool.

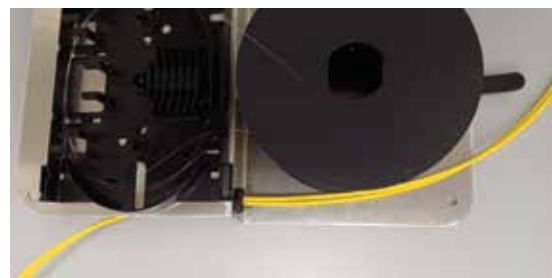


## 2.2 New pigtail placement

Slide in grommet from new pigtail into the groove in separation plate.



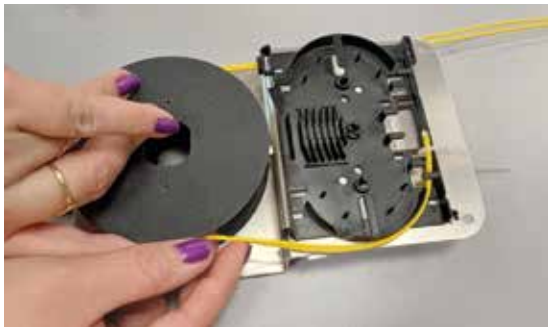
Fully inserted grommet.



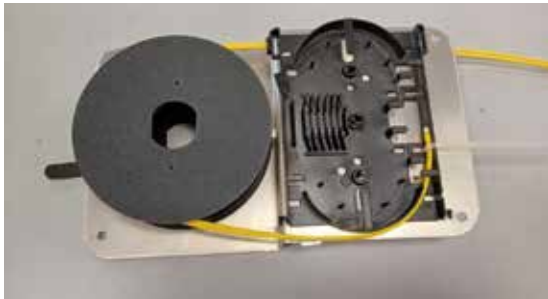
Guide tubings around spool towards splicing casse.



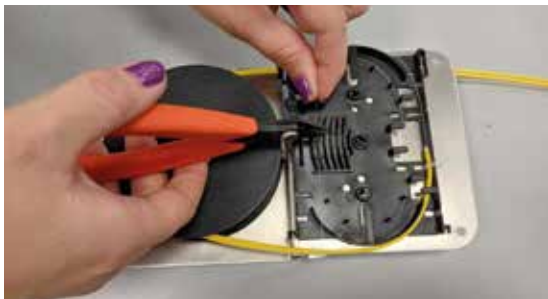
Fix the end of tubings by provided cable tie.



Fixed tubings inside splice cassette.



Trim fibers from new pigtails for comfortable splicing.

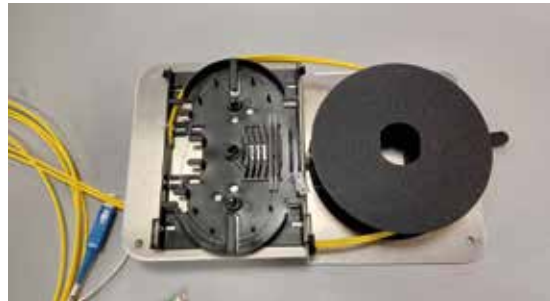


## 2.3 Splicing

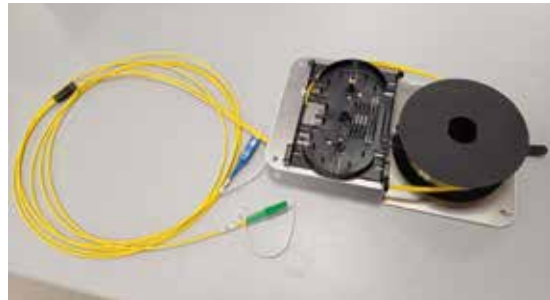
Intention here is not describe splicing in detail. In splice cassette there is enough fiber for multiple pigtail replacement (3 threads) and also new pigtails will arrive with cca 0,5m of fiber.



Part of repair kit are two splice protectors.



**Note** that IL values after splicing might differ from factory values.



## 2.4 Assembly

Put on splice protection cover and flip separation plate back.



Fix separation plate by four M4 screws.



Reel up free ends to basin and fix them by Velcro tape.



Close the cover.



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# beyond fiber

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