

Termination of 24f Stingray

Introduction

The design of the Stingray blown fiber units encapsulates the fibers inside an acrylate matrix. That type of design makes the unit very strong compared to its size. However, if the units contain a lot of fibers, i.e. 24f units, it becomes more sensitive to kinking when bent. Therefore, a bend protection shall be used for any slack storage of these units in the termination points.

When coiling a 24f Stingray in a termination point, always use the 3/2mm tube, (product No: MPB 302 43/01) as bend protection. This tube is also delivered in the pan together with the 24f ABF.

Read through the whole instruction before starting the work.

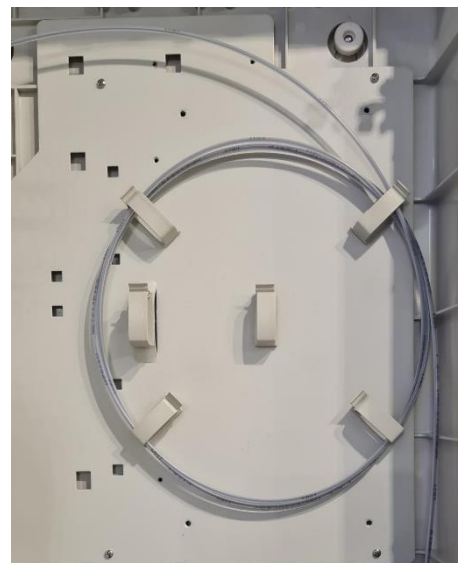
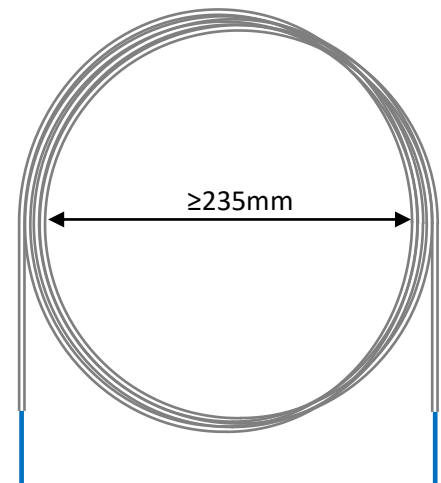
Slack storage, general

This section describes installation in cabinets or similar with outer jacket intact. It can be performed when bending diameter is kept at 235 mm or larger.

In this installation case it is recommended to keep the maximum length of coiled Stingray limited to 2 meters.

Push the 3/2 duct onto the whole length of 24f Stingray to be stored. Keep the tube all the way to the splice tray.

Note that 235 mm is the absolute minimum bend diameter when installing with outer jacket intact. If smaller bend diameters are required the sheath and acrylate matrix must be removed, see next section "Slack storage, small bend diameters".

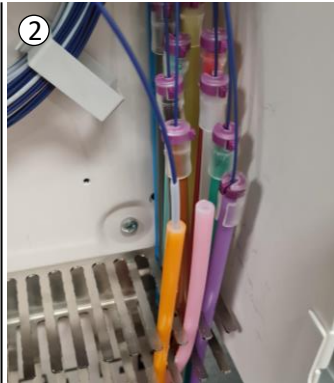


Slack storage, smaller bend diameters

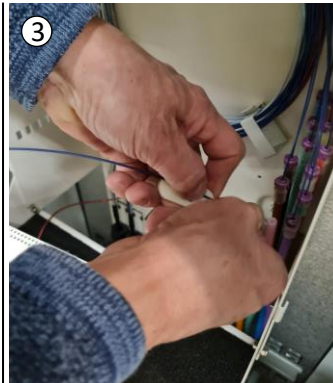
If the 24f ABF-unit needs to be installed in smaller bend diameters than 235mm, the outer sheath and acrylate matrix shall be removed. In that case the 3/2mm tube shall be used to protect the loose fibers. For easiest installation procedure it's advisable to push the protection tube on to the 24f Stingray before removing sheath and acrylate matrix, see description below.



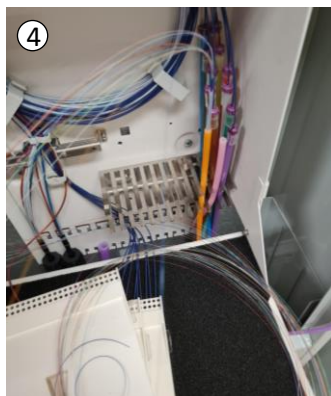
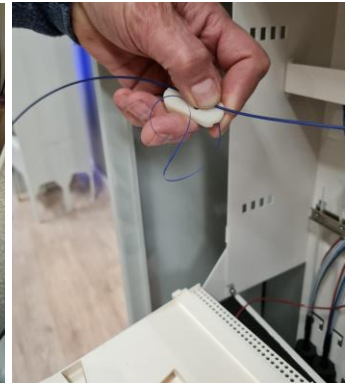
① Push a predefined length of 3mm tube onto the Stingray unit



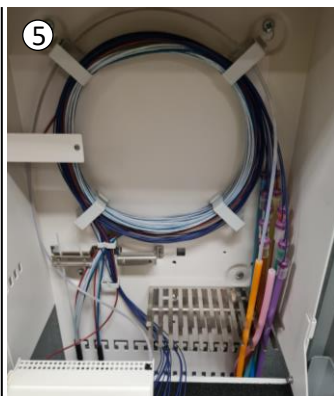
② Continue pushing it almost all the way into the microduct



③ Remove the sheath and acrylate matrix from the Stingray unit



④ Pull back the 3mm tube onto the loose fibers in the Stingray unit



⑤ Route the fibers in the protection tube the desired way towards the splice cassette



Suitable tools for sheath removal



ABF Stripping Tool 2-24f
(Product No: LDK40016/11)



Raucut, Sheaving tool (use insert 1.8mm)



Copyright © 2024 Hexatronic Cables & Interconnect Systems AB. All rights reserved. No part of this document may be reproduced in any form without the written permission of the copyright owner.

Disclaimer The contents of this document are subject to revision without notice due to continued progress in methodology, design, and manufacturing. Hexatronic shall have no liability for any error or damages of any kind resulting from the use of this document.