

Termination of 24f Stingray

Introduction

The design of the Stingray blown fiber units encapsulates the fibers inside an acrylate matrix. That way the unit becomes 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 coiling and bending these units during termination.

Read through the whole instruction before starting the work.

Termination alternatives

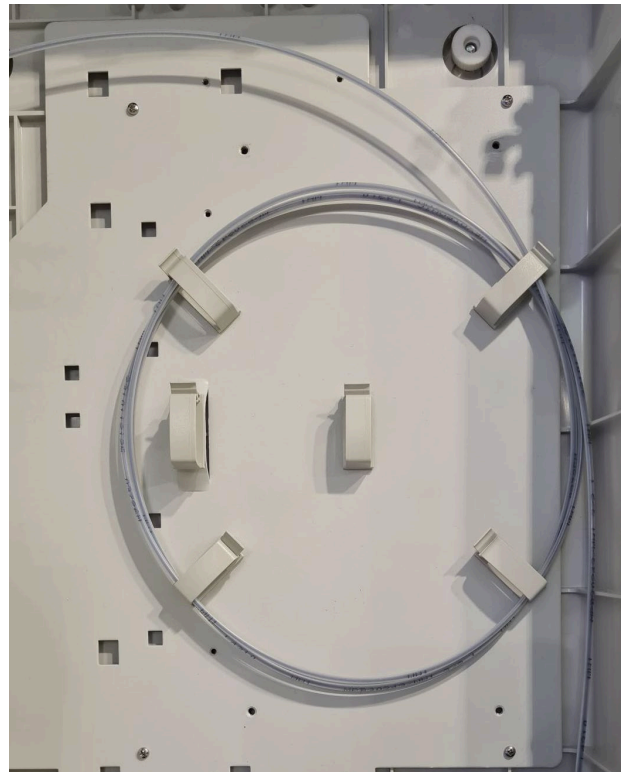
When a 24f ABF-unit is coiled on a backboard inside a cabinet/closure one of the following products shall always be used:

- 3/2mm duct, product No: MPB 302 43/01
- Spiral wrap tubing 1/8" (type Alpha Wire Corporation)

In cases where the fiber units have already been spliced the spiral wrap tubing is a possible alternative since it is possible to wrap it onto the ABF-unit. Note that if kinking has already occurred it will not help to just add the spiral wrap tubing.

Coiling on backboard

Push the 3/2 duct or the spiral wrap tubing onto the whole length of 24f Stingray to be coiled on the backboard. The minimum bend diameter for this procedure is 235 mm. If smaller bend diameters are required, see section "Small bending diameters".



Installation Instructions

Termination of 24f ABF-unit

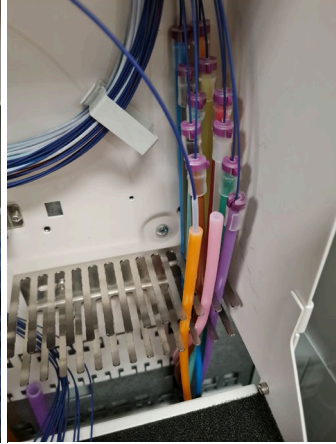


Small bending diameters

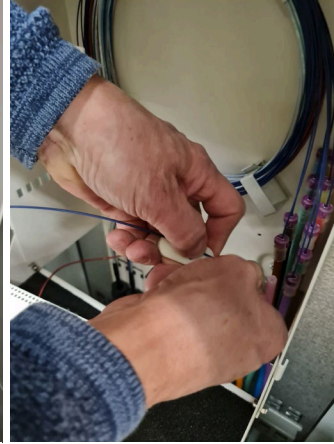
If the 24f ABF-unit needs to be installed in smaller bending diameters than 235mm the outer sheath and acrylate matrix shall be removed. See recommended procedure below.



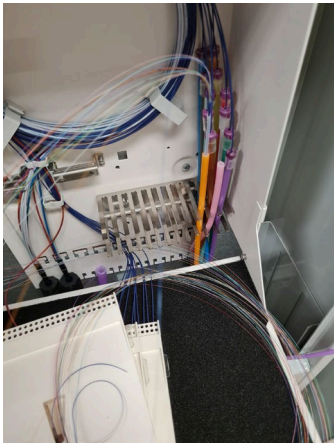
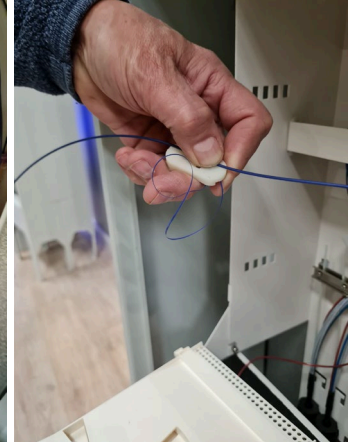
Push a predefined length of 3mm tube onto the Stingray unit



Continue pushing it almost all the way into the microduct



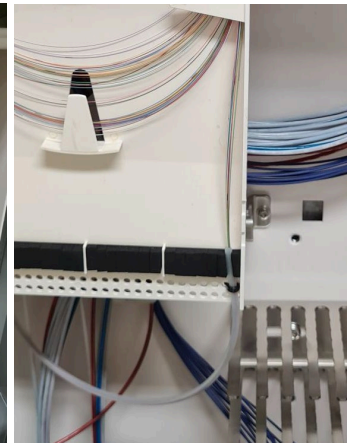
Remove the sheath and acrylate matrix from the Stingray unit



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



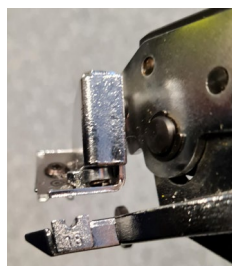
Route the tube the desired way towards the splice cassette



Suitable tools for sheath removal



Raucut, Sheaving tool (use insert 1.8mm)



Jonard Tools, Cable Slit & Ring Tool

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.