

## NAF19 cross-connection cabinet, the installation of patch cords



### Introduction

NAF19 is 900mm wide and 300mm in depth, and it's designed for cross-connections in 19" mechanics. The cabinet is available in two heights, 2000mm and 2200mm. The cabinet is designed with good patch cord management in mind. The structure of the cabinet is simple, no moving parts. The cabinet is designed primarily for preinstalled panels with tail cables, but if necessary, outdoor cables can also be brought into the cabinet, which means that the spliced fibers are placed on the splice trays of the optional splice tray holder.

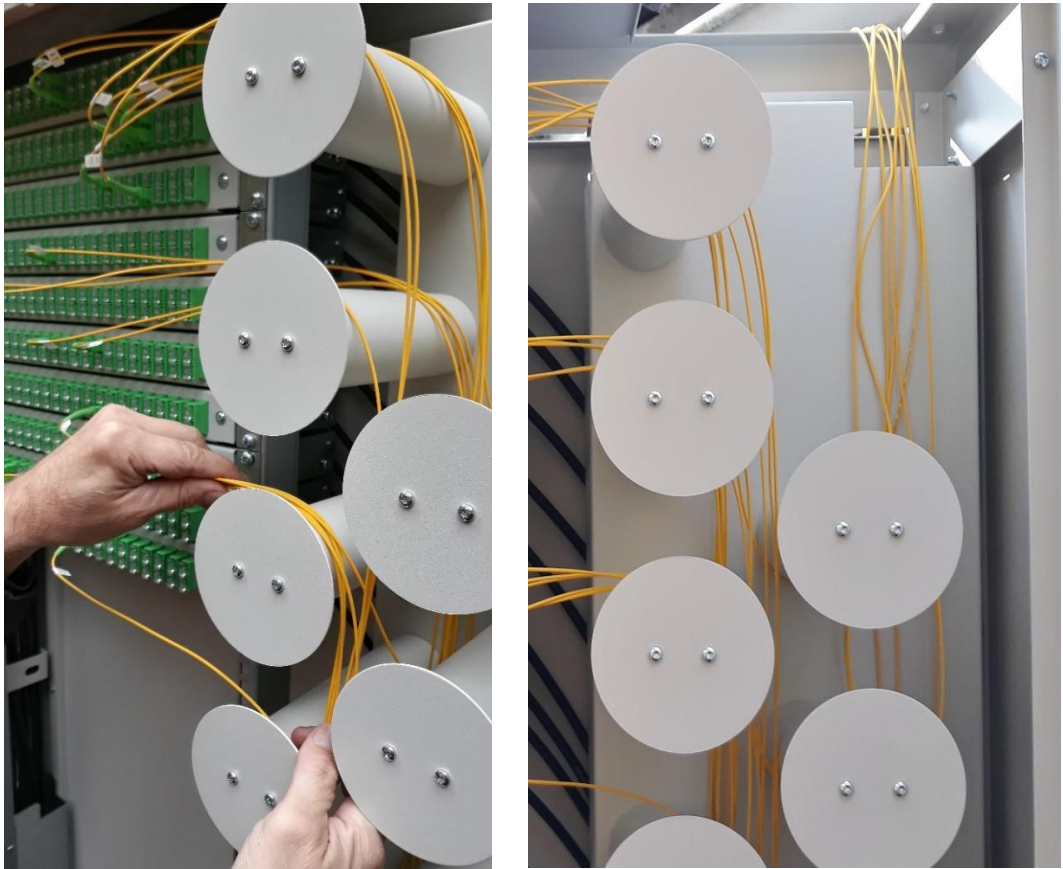
The installation of patch cords in the NAF19 cross-connection cabinet



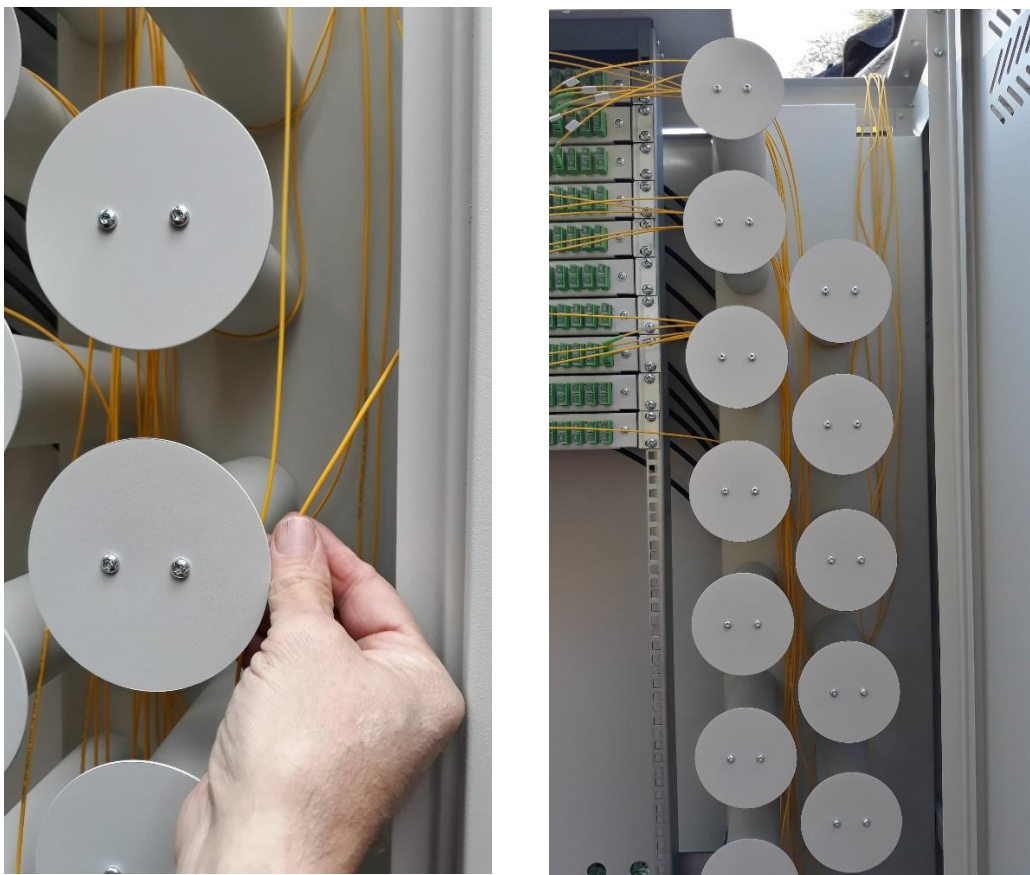
Preinstalled panels with tail cables installed in the cross-connection cabinet.



All patch cords from the panels are directed to the right side of the panels. Above the nearest fiber guide and between the adjacent guides. In this case, sufficient support and a sufficiently large bend radius are provided for the patch cords.



The patch cords leaving from the panels are directed first above the nearest fiber guide and then straight down between the adjacent fiber guides. The other ends of the patch cords are taken through the opening on top of the cabinet to a cabinet with active devices, where they are coupled to active devices or to terminal panels of the cabinet.



The extra lengths of the patch cords are directed down between the guides in the cross-connection cabinet and then to the right of the guides and straight out of the cabinet. Then the cables cross as little as possible with each other.

Note. When installing the patch cords, make sure that they do not remain tight in the cabinet, as this will cause tension on the fibers and, over time, fiber breaks!



If the patch cords are so long that it is not possible to store their extra lengths in the cross-connection cabinet by taking their loops to the bottom of the cabinet, extra loops need to be made.

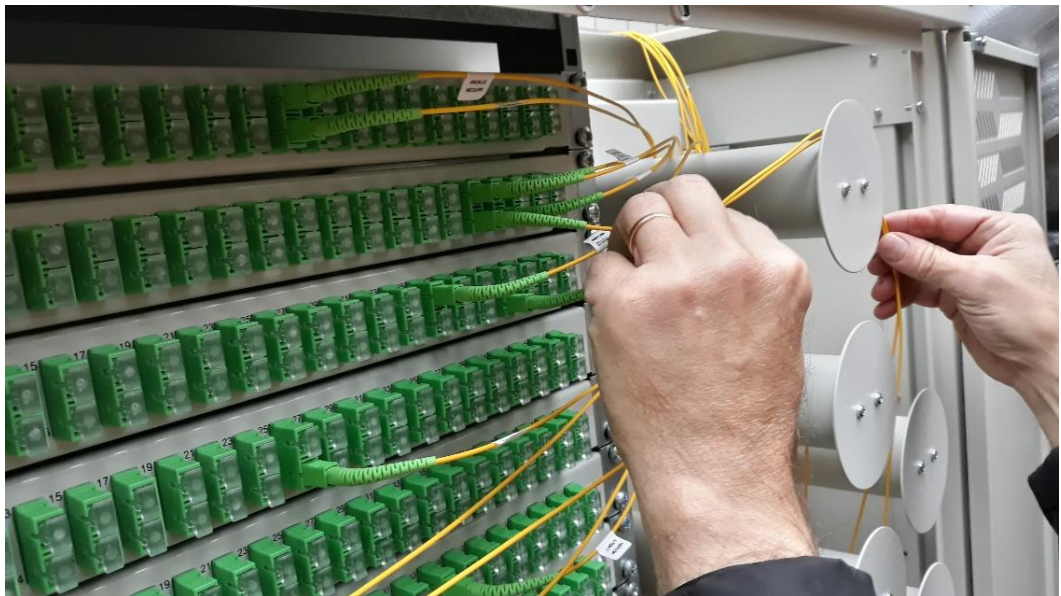
This is done by taking the patch cords first up from the bottom of the cabinet, from the right side of the guides. Between the guides back down for sufficient length, and then from the right side of the guides out of the cabinet.



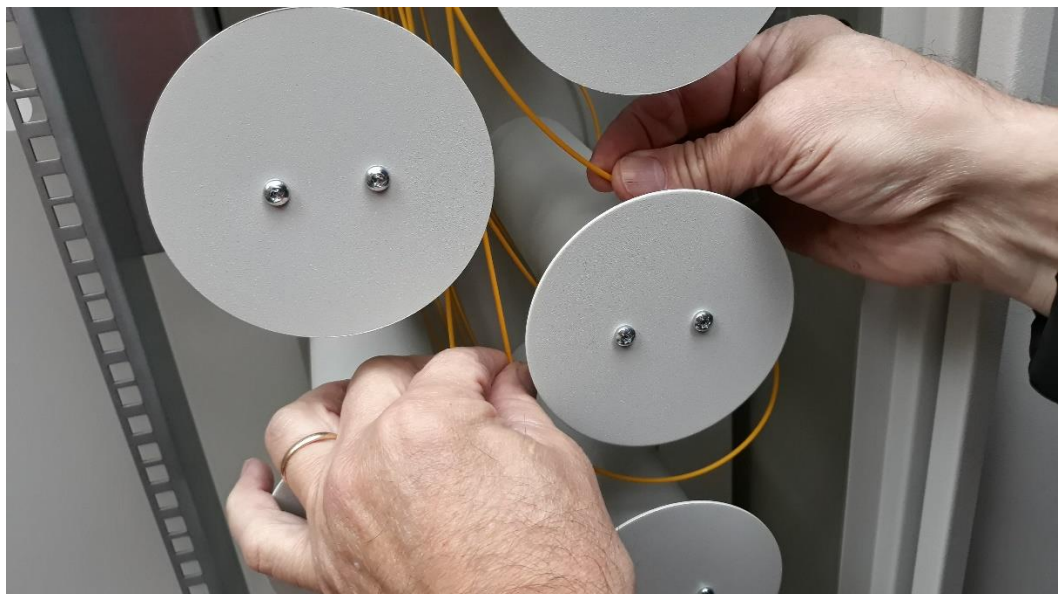
Patch cords leaving the cross-connection cabinet to a cabinet with active devices.

### The installation of cross-connection patch cords in NAF19

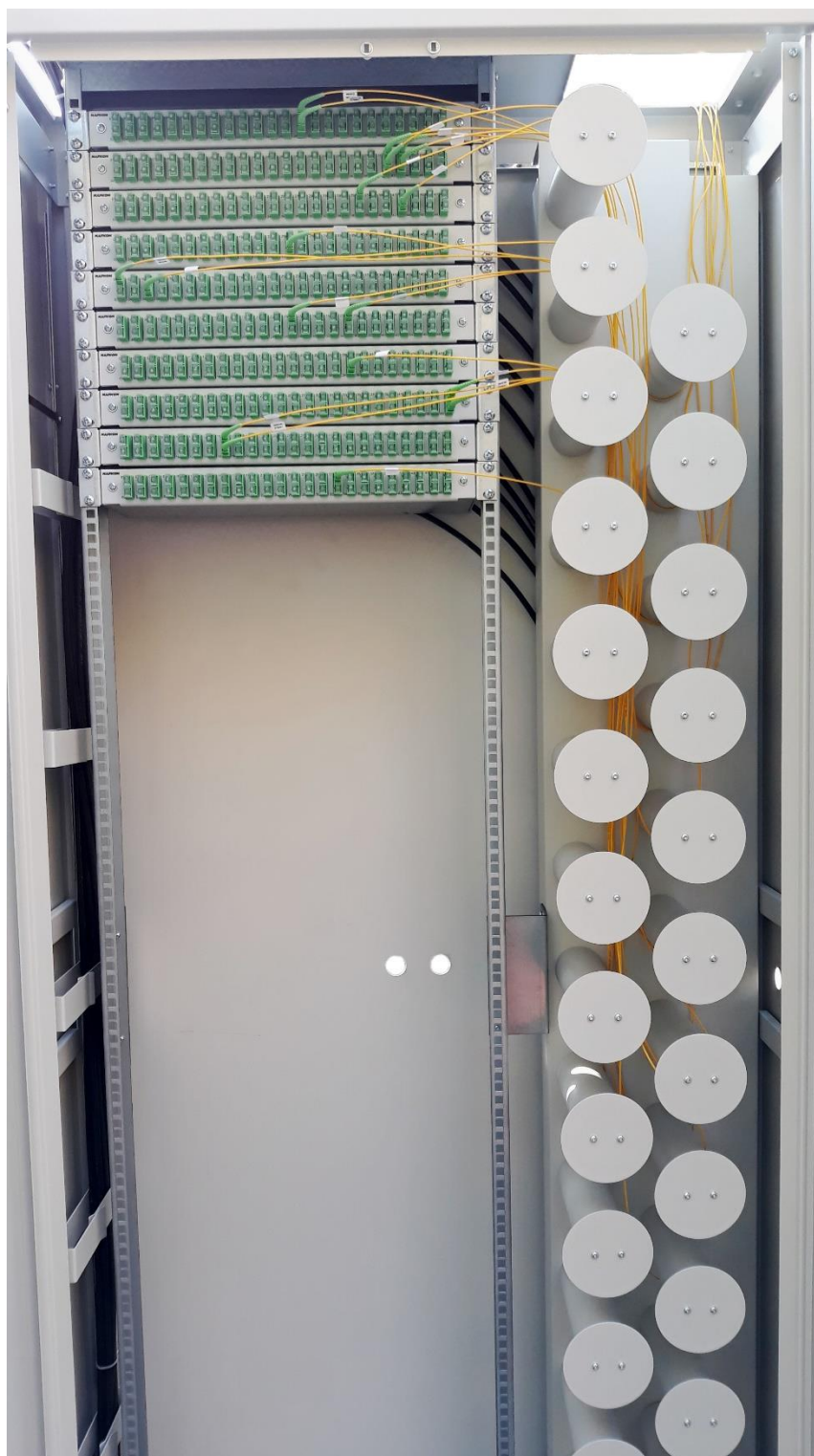
Cross-connection patch cords are patch cords, which are located inside the same cabinet, and connected from panel to panel or from panel to a splitter module.



One end of the patch cord is connected to the panel. The patch cord is taken above the nearest guide and placed between the adjacent guides. The other end is connected to another panel or a splitter module.



The loop for the patch cord is made around the nearest suitable guide, taking care that it is not too tight.



The patch cords are leaving the cross-connection cabinet to a cabinet with active devices. There are also cross-connections between panels inside the cabinet.