

## New Protection Cap for Fiber Receptacles Type FC

From now on Schäfter+Kirchhoff ships all parts with a new type of protection cap for the fiber receptacle type FC. This applies for all fiber collimators with a receptacle for fiber connectors of type FC of series

- 60FC
- 60FC-SF
- 60FC-T
- 60FC-L
- 60FC-Q

And all fiber couplers of series

- 60SMS
- 60FC-A19.5

### 1. Motivation

The previous protection cap was made from polymer. In some cases we observed some residue (splints) of the polymer after removing the cap. Additionally, the small pin screw holding the connector ferrule in place could not be secured as long as there was no fiber attached (e.g. during shipping).

The new cap is made from metal.

It now allows for additionally securing this small pin screw.

### 2. Design of the new Protection Cap


The new protection cap for the receptacle is two-parted: It consists of a threaded cap and a Ø 2.5 mm plug.



*Figure 1:  
New protection cap with plug.*

### 3. Removing the Protection Cap

For removing this cap perform the following steps:

 **Notice:** Please remove all the protection caps first and do not use them as beam dumps (risk of photo contamination).



*Figure 2:*  
First, remove the threaded cap from the fiber receptacle of the collimator.



*Figure 3:*  
Then, slightly loosen the small pin screw. Use the screwdriver 9D-12. Make sure to not loosen it too far, as it is small and easily lost.



*Figure 4:*  
Now, please pull out the plug.