

Casing Feed-Throughs CFT

with multimode fiber cable



FEATURES

Casing feed-through type CFT with integrated fiber cable

- For bore hole Ø 10.7 mm
- Integrated multimode fiber cable MMC
- Fiber cables with core diameters Ø 50 µm - 600 µm
- Different connector types

- Multi-mode fiber



DESCRIPTION

The fiber cables with casing feed-through made by Schäfter+Kirchhoff are equipped with multimode fiber cables with core diameters Ø 50 µm - 600 µm. The casing feed-throughs type CFT are installed by threading the outer part of the fiber cable from the inside of the casing through the through hole. They are designed for casings with a Ø 10.7 mm through hole.

End-to-end fiber cable

All vacuum feed-throughs are supplied with a non-exchangable, continuous, end-to-end fiber cable. That means there is no additional fiber connection (mating) at the vacuum flange.

The benefit is no additional coupling losses due to mating (especially important for small core diameters).

Multimode fiber cable

Inside the casing, the fiber cables are equipped with Ø 900 µm buffer made of Hytrel, Nylon or Tefzel. The part of the fiber cable outside the casing, has a Ø 3 mm cable with Kevlar strain-relief with bend protection both at the fiber connector and the flange.

As an option the connector can be made of [amagnetic Titanium](#) (connector type FC only).

Please refer to the individual [MMC fiber cable pages](#) for all fiber options. The connector types are described in detail [here](#).

How to order

For a specific feed-through please [contact](#) Schäfter+Kirchhoff. We additionally need information on:

- Fiber type
- Cable length inside / outside the vacuum
- Connector type inside / outside the vacuum

An example configuration can be found [here](#).

DOWNLOADS



[130810090800.pdf \(Dimensional drawing\)](#)

ACCESSORIES

POLARIZATION ANALYZER SK010PA

Measurement tool for coupling into polarization-maintaining fiber cables

RELATED PRODUCTS

FIBER CABLES PMC

Polarization-maintaining fiber cables

FIBER COLLIMATOR SERIES 60FC

for collimating radiation exiting an optical fiber or as an incoupler

LASER BEAM COUPLERS SERIES 60SMS

for coupling into single-mode and polarization-maintaining fiber cables

This is a printout of the page <https://sukhamburg.com/products/fiberoptics/fibercable/feedthrough/series/casing-mm.html> from 5/1/2024

CONTACT

For more information please contact:

Schäfter + Kirchhoff GmbH

Kieler Str. 212

22525 Hamburg

Germany

Tel: +49 40 85 39 97-0

Fax: +49 40 85 39 97-79

info@sukhamburg.de

www.sukhamburg.com

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