



1) Protective tube

Environmental conditions

Ambient temperature	-55...70 °C
Ambient temperature connection area	Acc. to fiber optic sensor
IP rating	IP65

General data

Basic standard	IEC 60947-5-2
Reference base unit	BFB 75K-001-...
Use	for fiber optic base units BFB
Version	Ø 3, Standard

Material

Active surface, fiber arrangement	Adjacent to one another
Fiber type material	PMMA
Housing material	Stainless steel (1.4305)
Material jacket	PE

Mechanical data

Active surface, fibers	Ø 0.5 mm (2x)
Cable diameter D	1.30 mm
Cable length L	2 m
Cable, bending radius min.	25 mm
Cable, note	can be trimmed
Connection	Ø 2.2 mm
Connection type	Adapter sleeve, 2.00 m, PE
Dimension	Ø 3 x 17 mm
Fiber optic cable, structure	Single fiber in plastic jacket
Length B min., without bending	15.00 mm
Mounting	Diameter 3.0 mm
Tensile load max. at 20 °C	6 N (max. 3s)

Range/Distance

Range	130 mm
Rated operating distance S _n	130 mm
Real switching distance s _r	130 mm

Remarks

The cutting tool is included in the scope of delivery
order other accessories separately.

Cut cable to length: use suitable cutting tool. Make a single cut, vertical to cable axis. The cut quality can affect the switching distance.

Reference object (target): gray card, 200 x 200, 90 % remission, axial approach.

Route fiber optic cable so that no excessive tensile, compression or torsional forces are permitted. Observe permissible bending radiuses. Installation may affect the switching distance.

Opto Symbols

