



1) Protective tube

Basic features

Basic standard	IEC 60947-5-2
Reference base unit	BFB 75K-001-..
Use	for fiber optic base units BFB
Version	M4, coaxial optics

Environmental conditions

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

Material

Active surface, fiber arrangement	Ring around individual fiber
Fiber type material	PMMA
Housing material	Stainless steel (1.4305)
Material jacket	PE

Mechanical data

Active surface, fibers	Ø 0.5 mm Ø 0.25 mm (10x)
Cable diameter D	1.30 mm
Cable length L	2 m
Cable, bending radius min.	15 mm
Cable, note	can be trimmed
Connection	Ø 2.2 mm
Connection type	Adapter sleeve, 2.00 m, PE
Dimension	Ø 4 x 23 mm
Fiber optic cable, structure	Single fiber in plastic jacket Fiber bundle in plastic jacket
Length B min., without bending	15.00 mm
Mounting	M4 nut
Tensile load max. at 20 °C	6 N (max. 3s)

Range/Distance

Range	60 mm
Rated operating distance Sn	60 mm
Real switching distance sr	60 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

