



1) Protective tube

**Basic features**

<b>Basic standard</b>	IEC 60947-5-2
<b>Reference base unit</b>	BFB 75K-001-..
<b>Use</b>	for fiber optic base units BFB
<b>Version</b>	M4, standard, flexible cable

**Environmental conditions**

<b>Ambient temperature</b>	-40...70 °C
<b>Ambient temperature connection area</b>	Acc. to fiber optic sensor
<b>IP rating</b>	IP65

**Material**

<b>Active surface, fiber arrangement</b>	Single fiber
<b>Fiber type material</b>	PMMA
<b>Housing material</b>	1.4305 stainless steel
<b>Material jacket</b>	PE

**Mechanical data**

<b>Active surface, fibers</b>	Ø 1.0 mm
<b>Cable diameter D</b>	2.20 mm
<b>Cable length L</b>	2 m
<b>Cable, bending radius min.</b>	2 mm
<b>Cable, note</b>	can be trimmed
<b>Connection type</b>	Cable, 2.00 m, PE
<b>Dimension</b>	Ø 4 x 20 mm
<b>Fiber optic cable, structure</b>	Single fiber in plastic jacket
<b>Length B min., without bending</b>	10.00 mm
<b>Mounting part</b>	M4 nut
<b>Tensile load max. at 20 °C</b>	6 N (max. 3s)

**Range/Distance**

<b>Range</b>	400 mm
<b>Rated operating distance S<sub>n</sub></b>	400 mm
<b>Real switching distance s<sub>r</sub></b>	400 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.

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.

The scope of delivery includes one set of fiber optics for the transmitter and one for the receiver.

**Opto Symbols**

