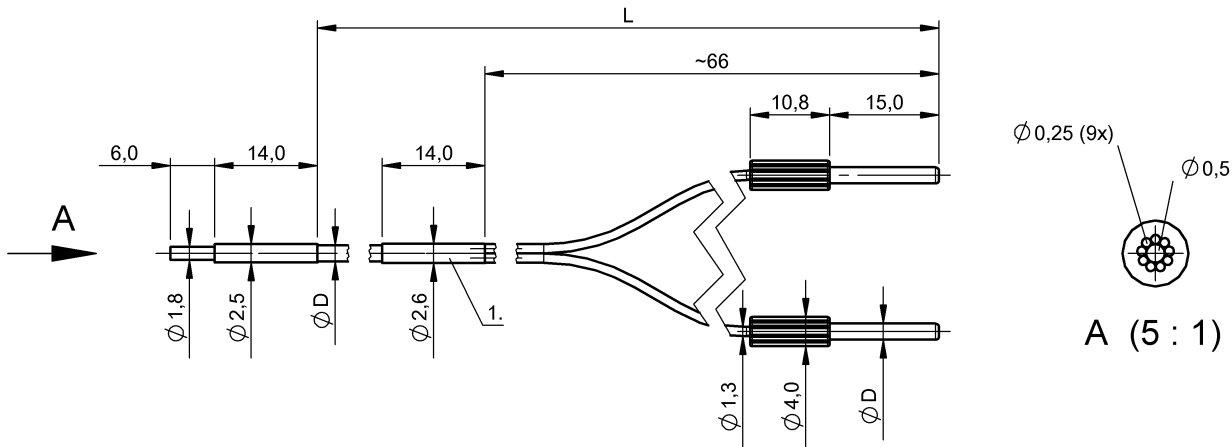


## BFO D13-XB-AB-EAK-10-01 BFO00AT



1) Protective tube

### Electrical connection

Cable diameter D	2.20 mm
Cable length	1 m
Cable, note	can be trimmed
Connection	Ø 2.2 mm
Connection type	Adapter sleeve, 1.00 m, PE

### Electrical data

Active surface, fibers	Ø 0.5 mm (1x) Ø 0.25 mm (9x)
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### Environmental conditions

Ambient temperature	-55...70 °C
Ambient temperature connection area	Acc. to fiber optic sensor
Protection type IEC 60529	IP65

### General data

Basic standard	IEC 60947-5-2
Reference base unit	BFB 75K-001-..
Version	Ø 2.5, coax optics

### Material

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

### Mechanical data

Cable, bending radius min.	15 mm
Dimension	Ø 2.5 x 20 mm
Fastening detail	Diameter 2.5 mm
Fiber optic cable, structure	Fiber bundle in plastic jacket Single fiber in plastic jacket
Tensile load max. at 20 °C	6 N (max. 3s)

### Optical data

Principle of optical operation	Retroreflective sensor
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### Range/Distance

Effective operating distance Sr	60 mm
Range	60 mm
Rated operating distance Sn	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.

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## Symbols for Optoelectronic Sensors

