

Glass Fiber-Optic Cable

Through-Beam Mode

SLK2358

Part Number



- A broad range of applications are possible due to the modular system design
- The fiber-optic cable is available and can be ordered.

Technical Data

Optical Data

Fiber Bundle Diameter 1,6 mm

Opening Angle 68 °

Fiber Step Index

Fiber Diameter 50 µm

Mechanical Data

Temperature Range -25...300 °C

Bending Radius 45 mm

Fiber-Optic Length L 5 m

Jacket Material Brass, nickel-plated

Material End Sleeve Aluminum

End Sleeve No. 55

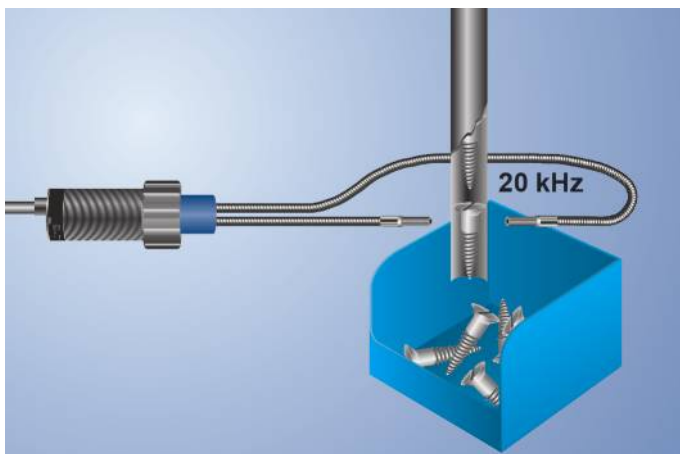
Light Emission straight

Fiber-Optic Cable Adapter No. 001

Suitable Mounting Technology No. 220

Glass fiber-optic cables are extremely flexible and can be used in confined spaces. Metal-sheathed glass fiber-optic cables are the solution for high ambient temperatures in particular.

The modular system enables different fiber diameters, sheaths and other options to be manufactured individually. The technical support team will be happy to answer any further questions you may have.



Fiber Optic Cable Combination
Choose your individual
Glass Fiber Optic Cable

- 1** First you have to choose the required range.
If you cannot find a suitable range please change to another Fiber bundle diameter. The range depends on the length of the Fiber optic cable and the switching range of the chosen wenglor sensor.
- 2** Choose the jacket and the endpoint.
- 3** Choose the right adapter for your wenglor sensor.
- 4** Choose the length of the Fiber arm (in 0,25 m steps).

Fiber optic length			
2,0 m	1,5 m	1,0 m	0,5 m
1020 mm	1140 mm	1260 mm	800 mm
680 mm	760 mm	840 mm	800 mm
340 mm	380 mm	420 mm	460 mm
170 mm	190 mm	210 mm	230 mm
450 mm	460 mm	480 mm	500 mm

1	Sensor Type
U_87	—
U_88	—
U_66	—
U_55	—
ODX	—

Jacket

1 PVC
Bending radius: 29 mm
Temperature Range: -25 °C...80 °C
Ø 2,3

2 Endpot

3 Stainless Steel
Bending radius: 50 mm
Temperature Range: -25 °C...250 °C*
Ø 4,9

4 Metal/Silicone
Bending radius: 35 mm
Temperature Range: -25 °C...180 °C
Ø 5,2

Aluminium
5 5
Only with Brass Nickel-Plated, Stainless Steel and Metal/Silicone Jacket

Aluminium
5 5
Only with PVC jacket

Stainless Steel
1 5
Only with PVC jacket

Stainless Steel
0 6
Only with PVC jacket

Aluminium
3 8

Adapter

Adapter	Sensor Type
1	UF —
5 6	US —
2 5 6	UV —
2	UC —
2	UM —
3	ODX —

4

0 1 = 0,25 m

0 2 = 0,5 m

0 3 = 0,75 m

0 4 = 1,0 m

0 8 = 2,0 m

The lengths are staggered in 0,25 m steps.

Order number 1 6 3 ? ? ? ? ? ?

Fiber bundle Ø 1,6 mm

Through beam mode

Rw = Range

L

Sensor Type

4 mm Standard
please specify other lengths

* Fibers heat resistant up to 180 °C, up to 250 °C only with order number addition "T"!