Glass Fiber-Optic Cable
Reflex Mode

081-207-202
Part Number

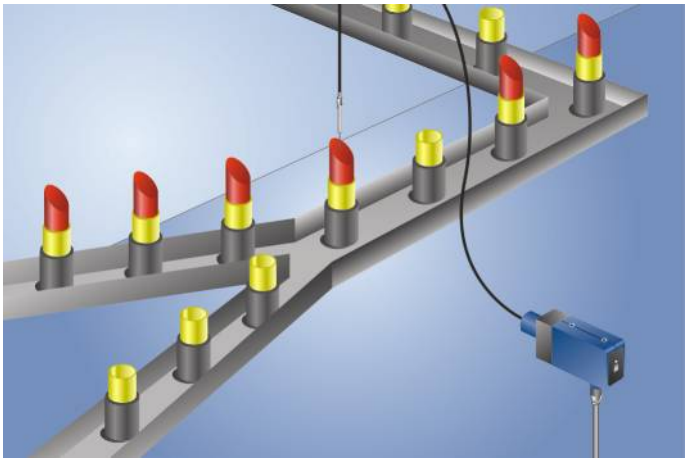


- **A broad range of applications are possible due to the modular system design**
- **Stock types deliverable at short notice**

Technical Data

Optical Data	
Fiber Bundle Diameter	0,8 mm
Range with Sensor Type U_88__	40 mm
Range with Sensor Type U_66__	20 mm
Range with Sensor Type U_55__	10 mm
Opening Angle	68 °
Fiber	Step Index
Fiber Diameter	50 µm
Fiber Distribution	statistical mixture
Mechanical Data	
Temperature Range	-25...180 °C
Bending Radius	45 mm
Fiber-Optic Length	0,5 m
Jacket Material	CuZn, nickel-plated
Material End Sleeve	Stainless Steel
End Sleeve No.	7
Light Emission	straight
Fiber-Optic Cable Adapter No.	02
Suitable Mounting Technology No.	220

Glass fiber optic cables are very flexible and can be used in applications with less space. Especially in applications with hot environment the metal casing fiber optic cables are the answer.



Fiber Optic Cable Combination

Choose your individual Glass Fiber Optic Cable

wenglor
the innovative family

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 endpot.

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			
1,0 m	0,75 m	0,5 m	0,25 m
32 mm	36 mm	40 mm	50 mm
16 mm	18 mm	20 mm	25 mm
8 mm	9 mm	10 mm	12 mm
30 mm	33 mm	36 mm	40 mm

Tw = Range

1 Sensor Type

- U_ 88 __
- U_ 66 __
- U_ 55 __
- ODX

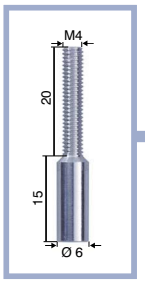
Jacket

PVC
Bending radius: 21 mm
Temperature Range: –25 °C...80 °C
Ø 2,1
1

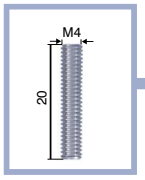
Stainless Steel
Bending radius: 50 mm
Temperature Range: –25 °C...250 °C*
Ø 4,9
3

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

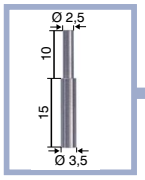
2 Endpot



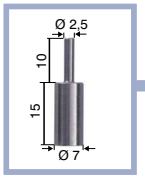
Aluminium **5 4**
Only with Brass Nickel-Plated, Stainless Steel and Metal/Silicone Jacket



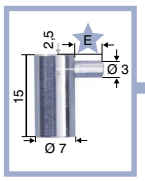
Aluminium **5 4**
Only with PVC jacket



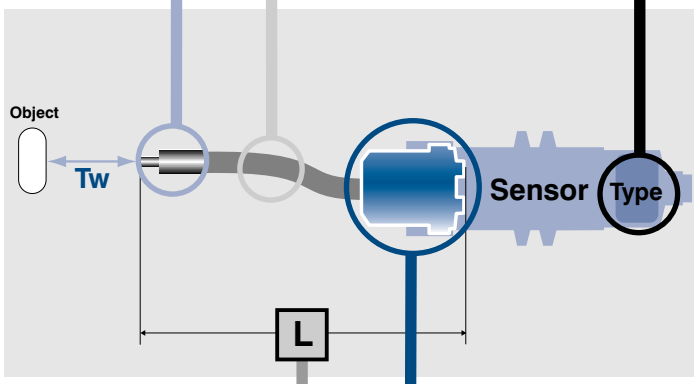
Stainless Steel **0 6**
Only with PVC jacket



Stainless Steel **0 7**



Aluminium **3 2**



3

Adapter	Sensor Type
1	UF __
5 6	US __
2 5 6	UV __
1	UG __
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

The lengths are staggered in 0,25 m steps.

Order number **0 8 1 ? ? ? ? ? ?**

Fiber bundle Ø 0,8 mm

Reflex mode

E= 4 mm Standard
please specify other lengths

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

Specifications are subject to change without notice