# 玻璃光纤
## 对射原理

# 233-221-104

订货号

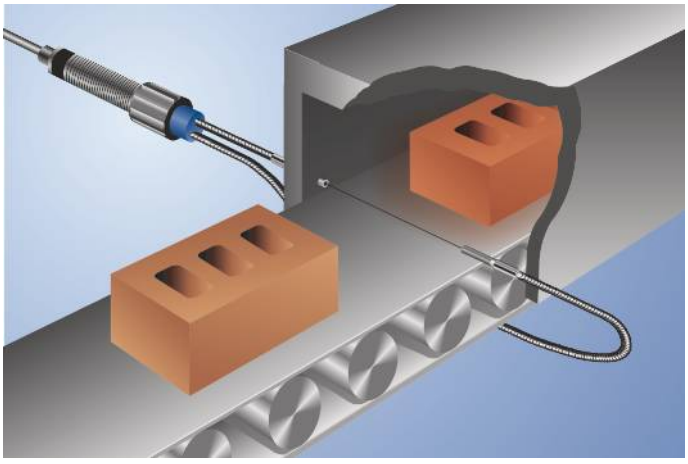


- **能够短时间内交货的轴承型号**
- **通过积木系统实现多种型号选择，匹配任何应用状况。**

### 技术数据

| | |
|---|---|
| **光学数据** | |
| 纤维束直径 | 2,3 mm |
| 利用U_87__型传感器的作用范围 | 1800 mm |
| 利用U_88__型传感器的作用范围 | 1800 mm |
| 利用U_66__型传感器的作用范围 | 1000 mm |
| 利用U_55__型传感器的作用范围 | 500 mm |
| 张角 | 68 ° |
| 光纤 | 阶跃指数 |
| 纤维直径 | 50 µm |
| **机械数据** | |
| 温度范围 | -25...180 °C |
| 弯曲半径 | 50 mm |
| 光缆长度 | 1 m |
| 外皮材料 | CuZn，镀镍 |
| 终端套管材料 | 不锈钢 |
| 终端编号 | 21 |
| 光出口 | 直 |
| 光导适配器编号 | 01 |
| 适当的紧固技术编号 | 190 |

玻璃光缆非常柔韧，即便是狭窄的场地条件也可以使用。尤其是在环境温度较高的情况下，提供金属护套的玻璃光缆作为解决方案。



# 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 | | | | |
|---|---|---|---|---|
| 5,0 m | 4,0 m | 3,0 m | 2,0 m | 1,0 m |
| 2100 mm | 2340 mm | 2580 mm | 2820 mm | 1800 mm |
| 1400 mm | 1560 mm | 1720 mm | 1880 mm | 1800 mm |
| 700 mm | 780 mm | 860 mm | 940 mm | 1000 mm |
| 350 mm | 390 mm | 430 mm | 470 mm | 500 mm |

**Rw** = Range

**1 Sensor Type**

- U_ 87 __
- U_ 88 __
- U_ 66 __
- U_ 55 __

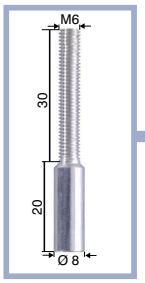
## Jacket

**PVC**
Bending radius: 40 mm
Temperature Range: –25 °C...80 °C
Ø 4,0
**1**

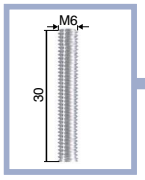
**Stainless Steel**
Bending radius: 60 mm
Temperature Range: –25 °C...250 °C*
Ø 5,9
**3**

**Metal/Silicone**
Bending radius: 50 mm
Temperature Range: –25 °C...180 °C
Ø 7,5
**4**

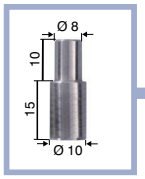
## 2 Endpot



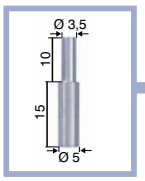

Aluminium **5 6**
Only with Brass Nickel-Plated, Stainless Steel and Metal/Silicone Jacket



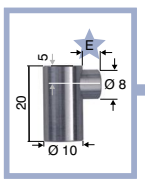

Stainless Steel **5 6**
Only with PVC jacket



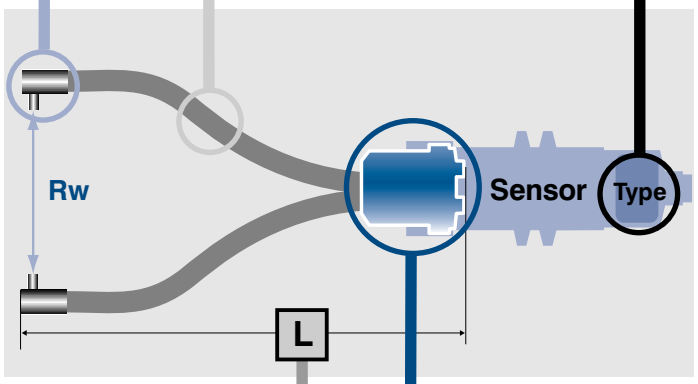

Stainless Steel **2 1**




Aluminium **1 0**
Only with PVC jacket




Stainless Steel **3 7**




## 3

| Adapter | Sensor Type |
|---|---|
| 1 | UF __ |
| 5 6 | US __ |
| 2 5 6 | UV __ |
| 1 | UG __ |
| 2 | UC __ |
| 2 | UM __ |

2 Not with Metal/Silicone
5 Only with PVC jacket

## 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.

- 1 6 = 4,0 m

**Order number** 2 3 3 ? ? ? ? ? ?

**Fiber bundle Ø 2,3 mm**

**Through beam 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"!**

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