

# Glass Fiber-Optic Cable

## Reflex Mode

# 301-239-104

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

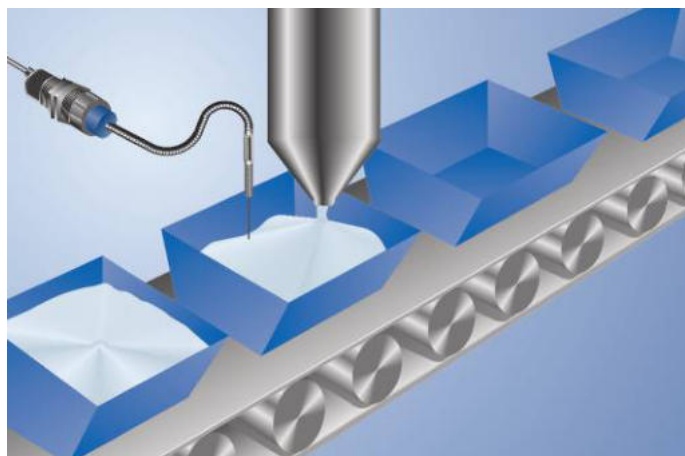
|                               |                        |
|-------------------------------|------------------------|
| Fiber Bundle Diameter         | 3 mm                   |
| Range with Sensor Type U_87__ | 810 mm                 |
| Range with Sensor Type U_88__ | 540 mm                 |
| Range with Sensor Type U_66__ | 270 mm                 |
| Range with Sensor Type U_55__ | 135 mm                 |
| Opening Angle                 | 68 °                   |
| Fiber                         | Step Index             |
| Fiber Diameter                | 50 µm                  |
| Fiber Distribution            | separate fiber bundles |

### Mechanical Data

|                     |                     |
|---------------------|---------------------|
| Temperature Range   | -25...180 °C        |
| Bending Radius      | 70 mm               |
| Fiber-Optic Length  | 1 m                 |
| Jacket Material     | CuZn, nickel-plated |
| Material End Sleeve | Aluminum            |
| End Sleeve No.      | 39                  |
| Light Emission      | sidewise            |

|                                  |     |
|----------------------------------|-----|
| Fiber-Optic Cable Adapter No.    | 01  |
| Suitable Mounting Technology No. | 180 |

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



- 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 |        |        |        |         |
|--------------------|--------|--------|--------|---------|
| 4,0 m              | 3,0 m  | 2,0 m  | 1,0 m  | 0,5 m   |
| 600 mm             | 660 mm | 720 mm | 810 mm | 1000 mm |
| 400 mm             | 440 mm | 480 mm | 540 mm | 670 mm  |
| 200 mm             | 220 mm | 240 mm | 270 mm | 335 mm  |
| 100 mm             | 110 mm | 120 mm | 135 mm | 165 mm  |

| 1    | Sensor Type |
|------|-------------|
| U_87 | —           |
| U_88 | —           |
| U_66 | —           |
| U_55 | —           |

