

# Fiber-Optic Cable Band for Fiber-Optic Cable Sensors

## 363-372-104

Part Number



- For measuring tasks
- Resistant to high temperature
- Variable light emitting slot

Glass fiber optic cable curtains function in accordance with the through-beam sensor principle. The fibers are arranged in a single line, thus creating a luminous row. If these fiber optic cable curtains are used in combination with an analog universal diffuse light sensor (UF22MV3, UF55MV3), the length of the slot corresponds to the analog range. If a universal diffuse light sensor with switching output is utilized (UF88PA), the switching point can be adjusted so that the output is switched when the light slot is obstructed to a defined extent.



### Technical Data

#### Optical Data

|                                |                     |
|--------------------------------|---------------------|
| Fiber Bundle Diameter          | 3,6 mm              |
| Linearity                      | < 5 %               |
| Range with Sensor Type UF55MV3 | 130...600 mm        |
| Range with Sensor Type UF22MV3 | 50...250 mm         |
| Range with Sensor Type U_55__  | 1264 mm             |
| Range with Sensor Type U_66__  | 1560 mm             |
| Range with Sensor Type U_87__  | 1560 mm             |
| Range with Sensor Type U_88__  | 1560 mm             |
| Opening Angle                  | 68 °                |
| Fiber                          | Step Index          |
| Fiber Diameter                 | 50 µm               |
| Fiber Distribution             | statistical mixture |

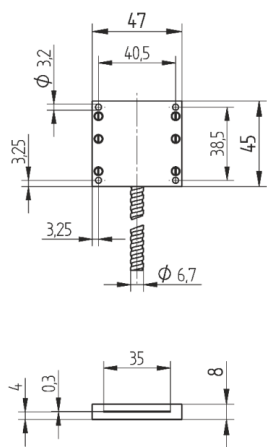
#### Mechanical Data

|                      |                                     |
|----------------------|-------------------------------------|
| Temperature Range    | -25...180 °C                        |
| Bending Radius       | 60 mm                               |
| Fiber-Optic Length L | 1 m                                 |
| Jacket Material      | Stainless steel, V2A (1.4301 / 304) |
| Material End Sleeve  | Aluminum                            |
| End Sleeve No.       | 72                                  |

Fiber-Optic Cable Adapter No.

001

**363-372-104**



All dimensions in mm (1 mm = 0.03937 Inch)

