

# Glass Fiber-Optic Cable

## Reflex Mode

# 301-351-112

Part Number



## Technical Data

### Optical Data

|                                |                        |
|--------------------------------|------------------------|
| Fiber Bundle Diameter          | 3 mm                   |
| Range with Sensor Type P1XF001 | 0...50 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 L  | 3 m                                 |
| Jacket Material       | Stainless steel, V2A (1.4301 / 304) |
| Material End Sleeve   | Stainless steel, V2A (1.4305 / 303) |
| End Sleeve No.        | 51                                  |
| Light Emission        | straight                            |
| End sleeves length L1 | 30 mm                               |
| End sleeves thread L1 | M8                                  |
| End sleeves length L2 | 20 mm                               |
| Diameter D1           | 6 mm                                |
| Diameter D2           | 8 mm                                |
| Adapter length L3     | 30 mm                               |
| Adapter length L4     | 3 mm                                |
| Adapter thread L4     | M30                                 |
| Diameter D3           | 21,8 mm                             |
| Diameter D4           | 26 mm                               |
| Eyes distance A1      | 11,6 mm                             |

|                                  |     |
|----------------------------------|-----|
| Fiber-Optic Cable Adapter No.    | 001 |
| Suitable Mounting Technology No. | 190 |

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

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.

1 = End sleeve  
2 = Adapter

All dimensions in mm (1 mm = 0.03937 Inch)