

# Plastic Fiber-Optic Cable

## Reflex Mode

# FRS04-2M-05

Part Number



- Especially suitable in applications where only minimal space is available
- Fiber-optic cable can be cut to length by the cutting tool

## Technical Data

### Optical Data

|                                    |                      |
|------------------------------------|----------------------|
| Fiber Core Diameter                | 0,5 mm               |
| Fiber                              | Step Index           |
| Fiber Distribution                 | parallel arrangement |
| Detection range with P1XD0xx       | 15 mm                |
| Detection range P1XD10x/11x        | 20 mm                |
| Detection range P1XD12x/13x        | 20 mm                |
| Detection range P1XD2xx red light  | 15 mm                |
| Detection range P1XD2xx blue light | 20 mm                |
| Detection range P1XD2xx pink light | 25 mm                |
| Opening Angle                      | 55 °                 |

### Mechanical Data

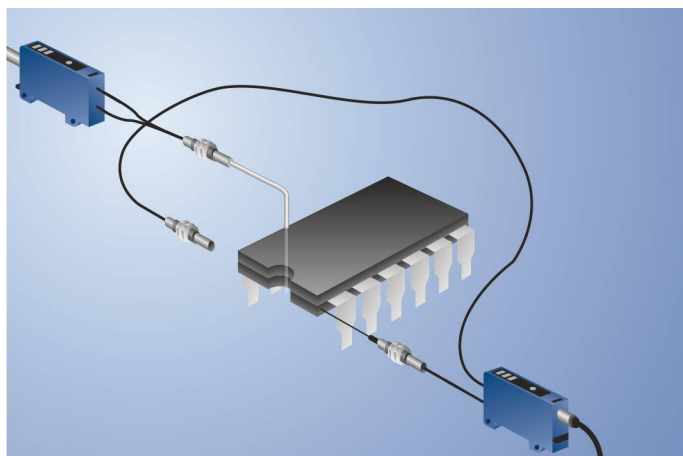
|                      |                                   |
|----------------------|-----------------------------------|
| Cable type           | Standard                          |
| Temperature Range    | -40...70 °C                       |
| Bending Radius       | 15 mm                             |
| Fiber-Optic Length L | 2 m                               |
| Jacket Material      | Plastic, PE                       |
| Fiber Optic Material | Plastic, PMMA                     |
| End sleeve shape     | Standard                          |
| Material End Sleeve  | Stainless steel, V2A (1.4305/303) |
| Jacket Diameter      | 1 mm                              |
| Light Emission       | sidewise                          |
| End Sleeve No.       | FRS04                             |

|                   |                                                                                                    |
|-------------------|----------------------------------------------------------------------------------------------------|
| Packaging unit    | 1 Piece                                                                                            |
| Scope of delivery | 1 × fiber-optic cable<br>1 × Z0015 cutting tool<br>1 × Z1XC001 mounting adapter<br>2 × M3 hex nuts |

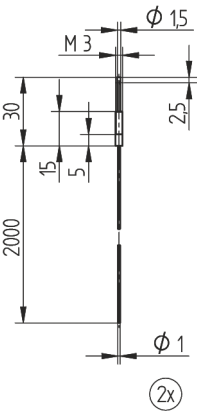
Suitable Mounting Technology No.

310

Plastic fiber-optic cables are very flexible and suitable for use in confined spaces. The fiber optics are supplied in 2 m lengths. Special lengths of up to 50 m are possible. Users can shorten the fiber optics using the Z0015 cutting tool.



**FRS04-2M-05**



All dimensions in mm (1 mm = 0.03937 Inch)

