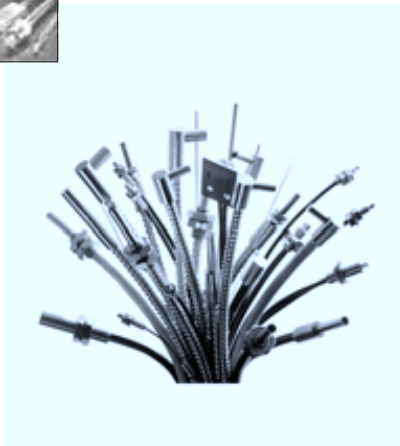




### Model Number

**LHR 00-1,1-1,0-K1**

Glass fiber optic - diffuse with silicon covering

### Features

- Chemical-resistant
- High temperature rated to 180 °C
- High flexible

### Series

#### Fiber optic amplifiers

Device series SU18 ; SU18/35 ; SU19

### Description

#### Attention:

Fibre optics must not be twisted or kinked. Excessive tensile loads will lead to destruction.



### Technical data

#### General specifications

|                       |    |                                               |
|-----------------------|----|-----------------------------------------------|
| Sensor range          |    | SU18: 70 mm<br>SU18/35: 230 mm<br>SU19: 70 mm |
| Fiber optic length    | l  | 1000 mm                                       |
| Fiber optic diameter  | d  | 3 mm                                          |
| Adapter form          |    | 00                                            |
| End piece             |    | Cylindrical                                   |
| Bending radius        |    | 5 mm static                                   |
| Fiber bundle diameter |    | 1.1 mm                                        |
| Fiber configuration   | Fv | optical separated                             |
| Angle of divergence   |    | 68 °                                          |

#### Ambient conditions

|                     |                                                                                                    |
|---------------------|----------------------------------------------------------------------------------------------------|
| Ambient temperature | -20 ... 85 °C (-4 ... 185 °F) [Adapter]<br>-40 ... 180 °C (-40 ... 356 °F) [End head and Covering] |
|---------------------|----------------------------------------------------------------------------------------------------|

#### Mechanical specifications

|                  |                                   |
|------------------|-----------------------------------|
| Material         |                                   |
| Optical face     | glass                             |
| Sheathing        | silicon                           |
| Core             | Glass fiber                       |
| End piece        | Stainless steel 1.4305 / AISI 303 |
| Adapter          | Stainless steel                   |
| Extraction force | 50 N                              |

### Dimensions

