

# Data sheet

|                                 |                         |
|---------------------------------|-------------------------|
| Type                            | Cylinder type           |
| Sensing distance                | 35mm                    |
| Min. sensing target             | Ø0.0125mm               |
| Allowable bend radius           | R5                      |
| Cable length                    | 2m                      |
| Free cut                        | Free cut                |
| Adapter                         | Adapter                 |
| Environment_Ambient temperature | -40 to 60°C             |
| Sensing type                    | Diffuse reflective type |

※The sensing distance is a standard for red LED of BF4 Series and 10% of red LED is applied when it is green LED. It is applied to 40% of sensing distance for BF3RX.

※Min. sensing target is a value measured opaque material in accurate output status and the sensing distance is different with the rated sensing distance.

※Flexible optical fiber (Multi core): A large number of ultra-fine cores are all surrounded by cladding. Easy to install it in the many places as the change of the intensity of radiation by bending is small.

Break-resistant optical fiber: The fiber units contain a large number of independent fine fibers, by ensuring a high degree of flexibility. It can be used for moving parts (robot hand) and it is not easily broken.

※Free cut type's sensing distance can be shortened about max. 20% than the normal according to condition of the cable. [(FC-3) should be used for cutting fiber cable.]

※Glass type is for BF5, BF4 Series.