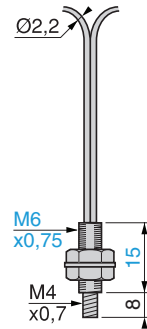
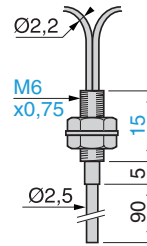
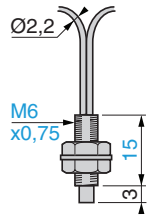


R = minimum bend radius  
Fibre of ext. Ø 2.2 mm, R = 25 mm  
Fibre of ext. Ø 1 mm, R = 10 mm  
XUF N5S01L, R = 4 mm



|                               |                 |       |             |
|-------------------------------|-----------------|-------|-------------|
| Nominal sensing distance (Sn) | 70 mm           | 60 mm | 60 mm       |
| Application, features         | General purpose |       | Positioning |

### References

|   |                     |                             |            |            |
|---|---------------------|-----------------------------|------------|------------|
| With standard end fittings                | L = 2 m<br>L = 10 m | XUF N05321<br>XUF N05321L10 | -<br>-     | XUF N05323 |
| With 90 mm flexible end fittings, L = 2 m |                     | -                           | XUF N05331 | -          |
| Weight (kg)                               |                     | 0.058 (L = 2 m)             | 0.030      | 0.060      |

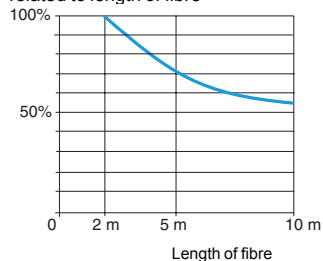
### Characteristics

|   |   |         |                        |
|---|---|---------|------------------------|
| Fibre (view on sensing face)                            |   |         |                        |
| Core (Ø mm)   | 2 x Ø 1   | 2 x Ø 1 | 1 x Ø 1 + 16 x Ø 0.265 |
| Trimmable to required length (trimmer XUF Z11 included) | Yes   | Yes     | Yes                    |
| Ambient air temperature                                 | For operation: -25...+60 °C. For storage: -40...+80 °C                  |         |                        |
| Vibration resistance                                    | 7 gn, amplitude ± 1.5 mm (f = 10...55 Hz), conforming to IEC 60068-2-27 |         |                        |
| Shock resistance  | 30 gn, duration 11 ms, conforming to IEC 60068-2-27                     |         |                        |
| Degree of protection                                    | IP 64 conforming to IEC 60529 and IP 641 conforming to NF C 20-010      |         |                        |
| Materials   | Fibres: PMMA; sheath: PE  |         |                        |

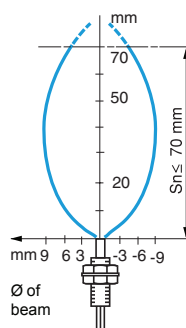
### Detection curves (object 10 x 10 cm, white 90%)

XUF N●●●●L10

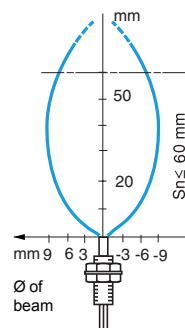
Percentage reduction in sensing distance related to length of fibre



XUF N05321



XUF N05331, XUF N05323



(1) Fixing clamps included with fibre optic.

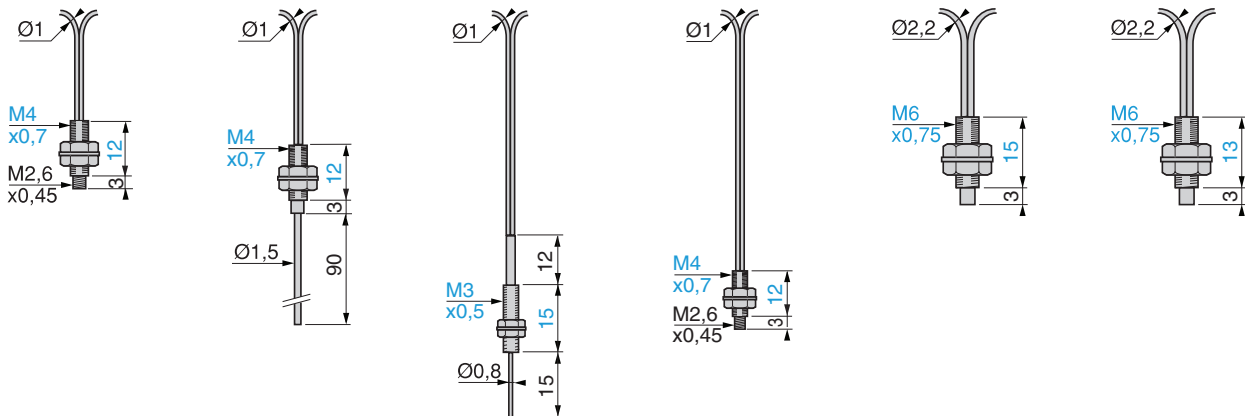
*Dimensions,  
references,  
characteristics,  
curves*

# Photo-electric sensors

OsiSense XU Application

Fibre optics for amplifiers

“PLASTIC” fibres with end fittings, diffuse system



| 18 mm   | 18 mm             | 6 mm   | 15 mm                  | 95 mm                        | 55 mm  |
|---|-------------------|--|------------------------|------------------------------|--|
| Positioning   | Positioning       | Areas with restricted access   | Positioning            | Long sensing distance fibres | Flexible fibres for cyclic movements, areas with restricted access |
| <b>XUF N01321</b>   | –                 | <b>XUF N04331</b>  | <b>XUF N02323</b>      | <b>XUF N5P01L2</b>           | <b>XUF N5S01L2</b>   |
| –   | –                 | –  | –                      | <b>XUF N5P01L10</b>          | <b>XUF N5S01L10</b>  |
| –   | <b>XUF N01331</b> | –  | –                      | –                            | –  |
| 0.045   | 0.045             | 0.045  | 0.040                  | 0.058 (L = 2 m)              | 0.062 (L = 2 m)  |
| ⊙   | ⊙                 | ⊙  | ⊙                      | ⊙                            | ⊙  |
| 2 x Ø 0.5   | 2 x Ø 0.5         | 2 x Ø 0.265  | 1 x Ø 0.5 + 4 x Ø 0.25 | 2 x Ø 1.5                    | 2 x Ø 1  |
| Yes   | Yes               | Yes  | Yes                    | Yes                          | Yes  |
| For operation: - 25...+ 60 °C. For storage: - 40...+ 80 °C              |                   |  |                        |                              |  |
| 7 gn, amplitude ± 1.5 mm (f = 10...55 Hz), conforming to IEC 60068-2-27 |                   | 7 gn, amplitude ± 1.5 mm (f = 10...55 Hz), conforming to IEC 60068-2-6 |                        |                              |  |
| 30 gn, duration 11 ms, conforming to IEC 60068-2-27                     |                   |  |                        |                              |  |
| IP 64 conforming to IEC 60529 and IP 641 conforming to NF C 20-010      |                   |  |                        |                              |  |
| Fibres: PMMA; sheath: PE  |                   |  |                        |                              |  |

**XUF N01321, N01331**

**XUF N04331**

**XUF N02323**

**XUF N5P01L2**

**XUF N5S01L2**

