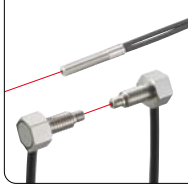
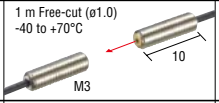
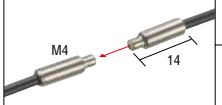
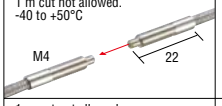
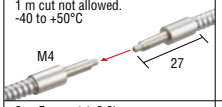
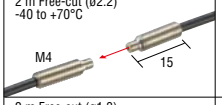
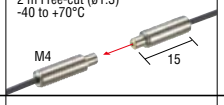
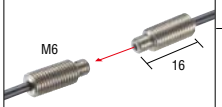


## RED indicates thrubeam fibres.

Unit: mm

| Type: Shape | Type: Detecting method | Type: Size | Fibre unit length (Diameter) / Appearance / Ambient temperature | Minimum bend radius | Detecting distance*1 (Each detecting distance in parentheses shows the data when the S-APC function is ON.) MEGA / FINE | Other power modes | Optical axis diameter (Standard target to be detected) | Smallest detectable object*2 | Model / Weight | Dimensions |
|---|---|---|---|---|---|---|---|---|---|---|
| Threaded | Thrubeam | M3 | 1 m Free-cut (ø1.0)<br>-40 to +70°C<br>  | R4<br>High-flex | 500 (380)<br>125 (100)<br>Lens attachment ➔P.12 | ULTRA : 420 (330)<br>SUPER: 270 (200)<br>TURBO: 220 (170)<br>HSP : 70 (35) | ø0.7 | ø0.005 | FU-79<br>Approx. 6 g | ➔P.40 |
| | | M4 | 2 m Free-cut (ø2.2)<br>-40 to +50°C<br>  | R0.5<br>ToughFlex | 1700 (1300)<br>300 (230)<br>Lens attachment ➔P.12 | ULTRA : 1300 (1100)<br>SUPER: 750 (600)<br>TURBO: 600 (460)<br>HSP : 200 (140) | ø1.13 | | FU-77V<br>Approx. 25 g | ➔P.39 |
| | | | | R2<br>ToughFlex | | | | | FU-77<br>Approx. 21g | ➔P.39 |
| | | | 1 m cut not allowed.<br>-40 to +50°C<br>  | R10<br>Stainless Steel | | | | | FU-77G<br>Approx. 39g | ➔P.39 |
| | | | 1 m cut not allowed.<br>-40 to +50°C<br>  | R20<br>Stainless Steel | | | | | FU-77MG<br>Approx. 100 g | ➔P.39 |
| | | | 2 m Free-cut (ø2.2)<br>-40 to +70°C<br>  | R25 | 2300 (1400)<br>400 (320)<br>Lens attachment ➔P.12 | ULTRA : 1600 (1100)<br>SUPER: 950 (800)<br>TURBO: 800 (600)<br>HSP : 220 (150) | ø1 | | FU-7F<br>Approx. 21 g | ➔P.39 |
| | | | 2 m Free-cut (ø1.3)<br>-40 to +70°C<br>  | R4 | 1100 (750)<br>190 (150)<br>Lens attachment ➔P.12 | ULTRA : 800 (600)<br>SUPER: 460 (370)<br>TURBO: 370 (300)<br>HSP : 130 (75) | | | FU-78<br>Approx. 9 g | ➔P.39 |
| | | M6 | 2 m Free-cut (ø2.2)<br>FU-71Z: -40 to +50°C<br>FU-71: -40 to +70°C<br>  | R2<br>ToughFlex | 2400 (1700)<br>450 (350) | ULTRA : 1900 (1300)<br>SUPER: 1100 (900)<br>TURBO: 900 (700)<br>HSP : 270 (160) | ø1.5 | | FU-71Z<br>Approx. 25 g | ➔P.39 |
| | | | | R25 | 2600 (1900)<br>550 (450) | ULTRA : 2000 (1600)<br>SUPER: 1350 (1000)<br>TURBO: 1000 (850)<br>HSP : 330 (200) | | | FU-71<br>Approx. 25 g | ➔P.39 |

*1 When using the FS-V30.
*2 The smallest detectable object was determined at the optimal detecting distance and sensitivity setting.

See P.12 for specifications when a thrubeam lens is attached.