光纖放大器 Fiber Optic Amplifiers
光纖管 Optic Tube
光纖聚焦鏡 Fiber Optic Focusing Lens
接近開關 Proximity Sensonrs
光電開關 Photoelectric Sensors
超聲波傳感器 Ultrasonic sensor
標簽傳感器 label Sensors
光幕傳感器 Area Sensors
激光對準綫 Laser Alignments
壓力傳感器 Pressure Sensors
磁性開關 Magnetic Switches
連接器 Connectors
激光傳感器 Laser Sensors
色標傳感器 Label Mark Sensors
激光位移 Laser Sensors
導軌式電源 Rail Power Supplies
固態繼電器 Solid State Relays
光纖管 (Fiber optic tube)
光纖選型表 (Fiber Selection Table)
漫反射光纖管 (Diffuse optical tube)
漫反射同軸光纖管 (Diffuse coaxial fiber tube)
漫反射側視型 (Diffuse side type)
漫反射矩陣型 (Diffuse reflection matrix)
對射型光纖管 (Beam type fiber tube)
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對射矩陣型 (Matrix through-beam type)
直角光纖管 (Rectangular fiber tube)
支架光纖管 (Fiber optic tube bracket)
長距離檢測光纖 (Long-distance detection fiber)
槽型光纖管 (Groove fiber tube)
窗口型光纖 (Window-type optical fiber)
耐高溫玻璃光纖 (Temperature glass fiber)
LED冷光源 (LED cold light source)
光源光纖、石英光纖 (Source fiber, quartz fiber)

# Catalog Listing order Information:

## 光纖傳感器型號編碼說明（特殊規格可接受訂製）

**F F R _ _ -3 2 0- _ _ _**

| | |
|---|---|
| R | 漫反射光纖 Reflection plastic fiber |
| T | 對射光纖 Through plastic fiber |
| GR | 玻璃漫反射光纖 Reflection glass fiber |
| GT | 玻璃對射光纖 Through glass fiber |

光纖材料 (Fiber Materials)

| | |
|---|---|
| K | 超高精度，光纖線直徑0.9/光纖芯直徑0.125 Extra high precision....0.125mm/Ø0.9 |
| P | 超高精度，光纖線直徑0.9/光纖芯直徑0.175 Extra high precision....0.175mm/Ø0.9 |
| E | 高精度，光纖線直徑1.0/光纖芯直徑0.25 High precision....0.25mm/Ø1.0 |
| A | 高精度，光纖線直徑1.25/光纖芯直徑0.25 High precision....0.25mm/Ø1.25 |
| B | 高精度，光纖線直徑1.3/光纖芯直徑1.0 High precision.....1.0mm/Ø1.3 |
| S | 較高精度，光纖線直徑1.0/光纖芯直徑0.5 Precision.....0.5mm/Ø1.0 |
| D | 高精度，光纖線直徑1.25/光纖芯直徑0.5 High precision.....0.5mm/Ø1.25 |
| J | 高精度，光纖線直徑1.25/光纖芯直徑0.75 High precision.....0.75mm/Ø1.25 |
| W | 標準型，光纖線直徑1.0/光纖芯直徑0.5 R1 Standard..... 0.5mm/Ø1.0 R1 |
| X | 長距型，光纖線直徑2.2/光纖芯直徑1.5 Long sensing range...1.5mm/Ø2.2 |
| C9 | 同軸型，光纖線直徑1.3/光纖芯直徑0.25*9 Coaxial....0.25mm x 9/Ø1.3 |
| C | 同軸型，光纖線直徑2.2/光纖芯直徑0.25*16 Coaxial....0.25mm x 16/Ø2.2 |
| C4 | 同軸型，光纖線直徑1.0/光纖芯直徑0.25*16 Coaxial....0.25mm x 4/Ø1 |
| H | 耐高温光纤. . . 125℃ Resistance high temperature...125 °C |
| CC | 同軸型，光纖線直徑2.2/光纖芯直徑0.25*16 Coaxial...0.25mm x 16/Ø2.2(x2) |

螺絲外徑 (Screw diameter)

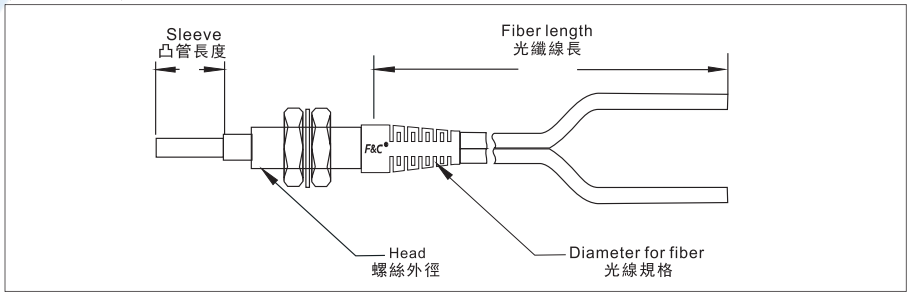
| | |
|---|---|
| 6 | 光纖頭直徑 M6 head Diameter M6 |
| 5 | 光纖頭直徑 Ø5 head Diameter Ø5 |
| 4 | 光纖頭直徑 M4、Ø4 head Diameter M4、Ø4 |
| 3 | 光纖頭直徑 M3、Ø3 head Diameter M3、Ø3 |
| 2 | 光纖頭直徑 Ø3 head Diameter Ø3 |
| 1 | 光纖頭直徑 Ø1.5 Ø1 head Diameter Ø1.5 Ø1 |

| | |
|---|---|
| D | 側面發光 luminescence side |
| JC | 集成尾支架 Integrated End Bracket |
| Q | 無螺牙 Not Screw thread |
| | 凸管0CM Sleeve 0cm |
| I | 凸管1CM Sleeve 1cm |
| S | 凸管2CM Sleeve 2cm |
| M | 凸管4CM（可彎曲軟管） Sleeve 4cm |
| L | 凸管9CM Sleeve 9cm |
| 15mm | 凸管15mm Sleeve 15mm |
| 75mm | 凸管75mm Sleeve75mm |

光纖線長 (Fiber length)

| | |
|---|---|
| 50 | 光纖線長 500cm Fiber Length 500cm |
| 30 | 光纖線長 300cm Fiber Length 300 cm |
| 20 | 光纖線長 200cm Fiber Length 200cm |
| 10 | 光纖線長 100cm Fiber Length100cm |
| 05 | 光纖線長 50cm Fiber Length 50cm |

光纖示意圖 (Fiber schematic:)



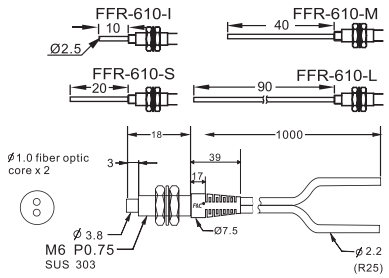
漫反射型
(Diffuse reflective)

FF-12 FF-301

## FFR-610

M6普通漫反射
(M6 ordinary diffuse reflection)



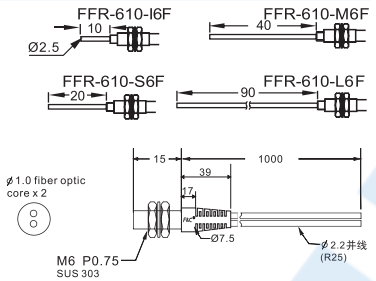



| Detecting Distance | 90 | 120 |
|---|---|---|
| Smallest detectable Object (gold wire) | Ø0.1 | |

## FFR-610-6F

M6普通漫反射
(M6 ordinary diffuse reflection)



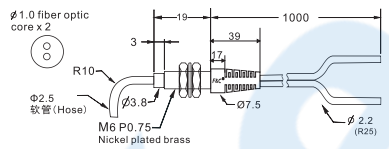



| Detecting Distance | 90 | 120 |
|---|---|---|
| Smallest detectable Object (gold wire) | Ø0.1 | |

## FFR-610-MU

M6普通可彎曲漫反射
(M6 diffuse reflection of the ordinary bending)



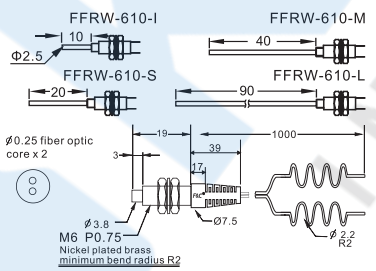



| Detecting Distance | 80 | 100 |
|---|---|---|
| Smallest detectable Object (gold wire) | Ø0.1 | |

## FFRW-610

M6柔軟線漫反射
(M6 diffuse soft line)



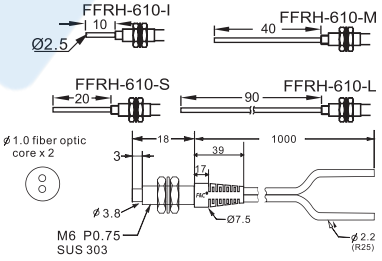




| Detecting Distance | 80 | 100 |
|---|---|---|
| Smallest detectable Object (gold wire) | Φ0.1 | |

## FFRH-610

M6耐高溫漫反射
(M6 high temperature diffuse reflectance)



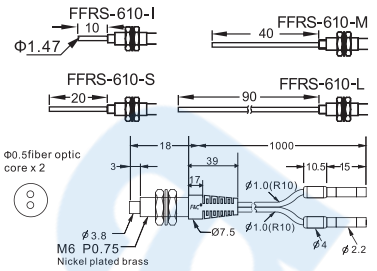

Heat Resistant 105 ℃

| Detecting Distance | 80 | 100 |
|---|---|---|
| Smallest detectable Object (gold wire) | Ø0.1 | |

## FFRS-610

M6細芯漫反射
(M6 diffuse small cell)



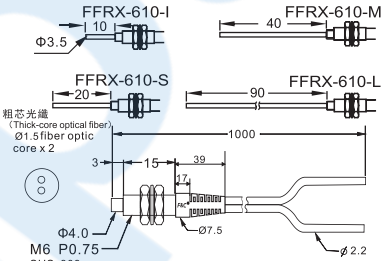



| Detecting Distance | 35 | 45 |
|---|---|---|
| Smallest detectable Object (gold wire) | Φ0.05 | |

## FFRX-610

M6粗芯漫反射
(M6 diffuse coarse core)



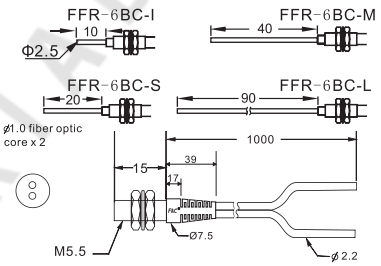



| Detecting Distance | 120 | 140 |
|---|---|---|
| Smallest detectable Object (gold wire) | Ø0.2 | |

## FFR-6BC

M6粗牙漫反射
(M6 coarse diffuse)



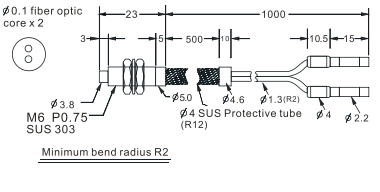



| Detecting Distance | 90 | 120 |
|---|---|---|
| Smallest detectable Object (gold wire) | Ø0.1 | |

## FFRZ-610-P

M6帶保護柔軟線漫反射
(M6 soft line with the protection of diffuse)





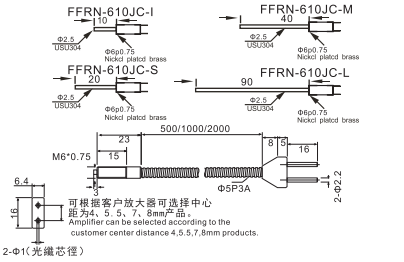

| Detecting Distance | | |
|---|---|---|
| | 90 | 110 |
| Smallest detectable Object (gold wire) | Ø0.1 | |

## FFRN-610JC

M6帶保護管支架尾插光纖
(M6 with protective tube end plug fiber)

NEW






| Detecting Distance | 80 | 100 |
|---|---|---|
| Smallest detectable Object (gold wire) | Ø0.1 | |

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光纖聚焦鏡
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光電開關
Photoelectric Sensors
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Ultrasonic sensor
標簽傳感器
label Sensors
光幕傳感器
Area Sensors
激光對準綫
Laser Alignments
壓力傳感器
Pressure Sensors
磁性開關
Magnetic Switches
連接器
Connectors
激光傳感器
Laser Sensors
色標傳感器
Label Mark Sensors
激光位移
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導軌式電源
Rail Power Supplies
固態繼電器
Solid State Relays

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