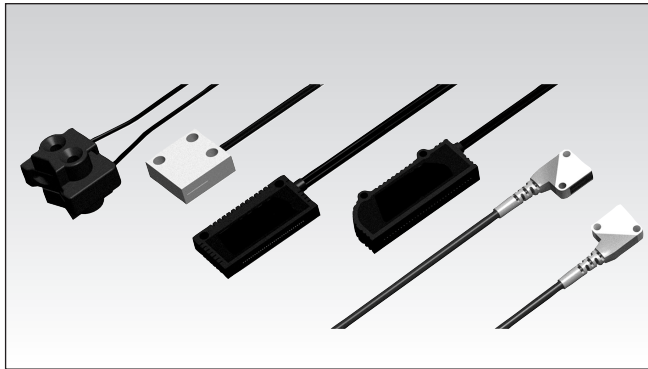


Fiber Optics, Plastic, Array/Fork Types FU, ARR

CARLO GAVAZZI



- Inner fiber diameter \varnothing 0.25, 0.265, 0.5 or 1.0 mm
- Outer fiber diameter \varnothing 2.2, 1.25 or 2.8 mm
- Bending radius 5, 15 or 25 mm
- For use with fiber optic sensor amplifier FA series
- Overmoulding protection for better curvature and protection from breakage of fiber
- High tensile strength of 8 kg ensuring reliability and durability
- 2000 mm fiber length

Ordering Key

FU R-FARR 10 - 20

Fiber unit _____

Fiber type _____

- R Reflective
- T Through-beam

Fiber Type _____

- FARR - Front-view array fiber
- SARR - Side-view array fiber
- SBEAM - Side beam
- FORK - Fork

Dimension _____

*Length number

Fiber length 2000 mm _____

Note:

1. Not every combination is available.
2. Please see Type Selection section to see availability

General Specifications

Temperature range

Operating temperature

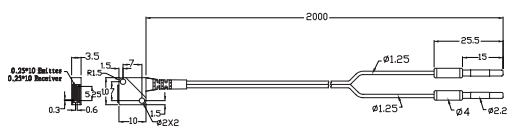
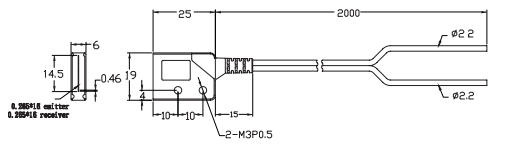
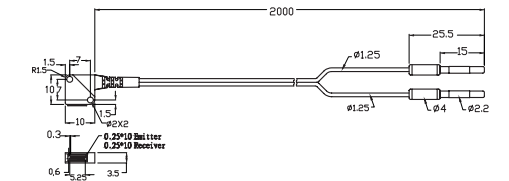
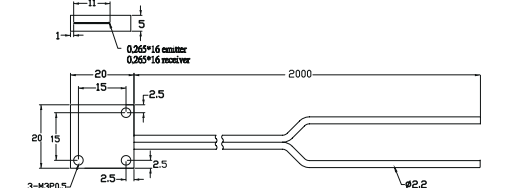
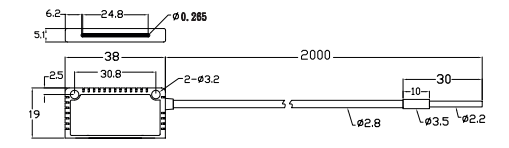
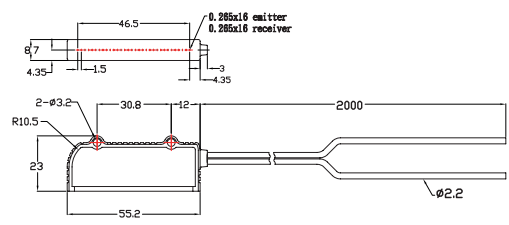
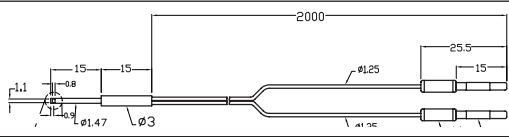
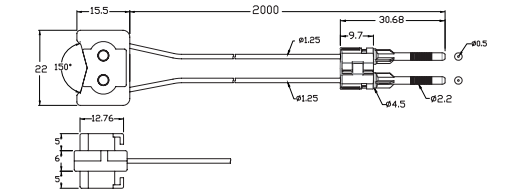
-55 to +70°C (-67 to +158°F)

Materials

Fiber
Sheath

PMMA
PE (polyethylene)

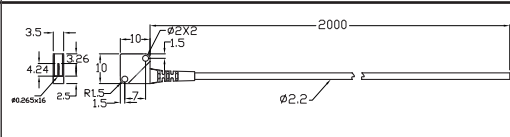
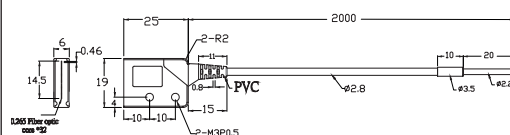
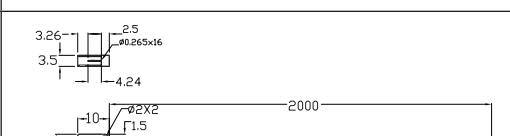
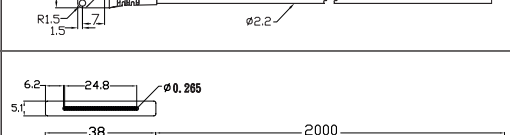
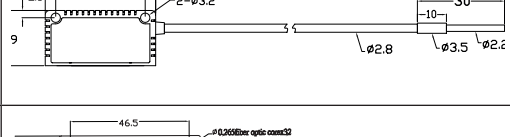
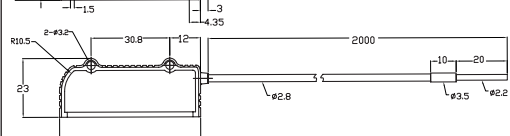
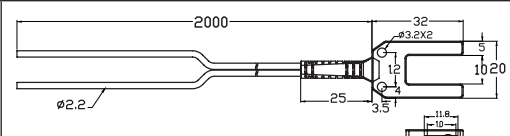
Type Selection

Reflective types							
Inner diameter	Max. detection distance (mm)*	Smallest detectable object	Min. bend radius	Dimensions (mm)**	Detection head material	Weight (g)	Ordering key
Ø0.25x10/ Ø0.25x10	100	Ø0.30	R15		Stainless steel	20	FUR-FARR10-20
Ø0.265x16/ Ø0.265x16	100	Ø1.00	R5		ABS	20	FUR-FARR25-20
Ø0.25x10/ Ø0.25x10	100	Ø0.30	R15		Stainless steel	20	FUR-SARR10-20
Ø0.265x16/ Ø0.265x16	100	Ø1.00	R5		Ni plated Cu	44	FUR-SARR20-20
Ø0.265x16/ Ø0.265x16	100	Ø1.50	R5		ABS	25	FUR-SARR38-20
Ø0.265x16/ Ø0.265x16	100	Ø2.50	R5		ABS	40	FUR-SARR55-20
Ø0.5	50	Ø1.00	R15		Stainless steel	30	FUR-SBEAM15-20
Ø0.5	3	Water	R15		ABS	9	FUR-TUBE26-20

*note 1: Detection distance in the table is based on FA1 amplifier with setting; response time at 5000µS and threshold value at 27 (max setting)

**note 2: Due to design and engineering limitations, not every model comes with the over moulding protection. Please refer to the dimensional drawings.

Type Selection (cont.)

Through-beam types							
Inner diameter	Max. detection distance (mm)*	Smallest detectable object	Min. bend radius	Dimensions (mm)**	Detection head material	Weight (g)	Ordering key
Ø0.265x16	350	Ø0.30	R25		Stainless steel	26	FUT-FARR10-20
Ø0.265x32	350	Ø1.00	R5		ABS	48	FUT-FARR25-20
Ø0.265x16	350	Ø0.30	R25		Stainless steel	26	FUT-SARR10-20
Ø0.265x32	350	Ø1.50	R60		ABS	34	FUT-SARR38-20
Ø0.265x32	350	Ø2.50	R60		ABS	76	FUT-SARR55-20
Ø0.265x16	10	Ø0.50	R5		ABS	20	FUT-FORK1032-20
Ø0.25	5	Ø0.50	R5		ABS	26	FUT-FORK0540-20

***note 1:** Detection distance in the table is based on FA1 amplifier with setting; response time at 5000µS and threshold value at 27 (max setting).

****note 2:** Due to design and engineering limitations, not every model comes with the over moulding protection. Please refer to the dimensional drawings.

