

Thru-beam type (one pair set)

Type	Shape of fiber head (mm)	Model No.	Bending radius (mm)	Fiber cable length Free-cut	Sensing range (mm in) (Note 1)			Beam axis dia. (mm)	Protection	Ambient temp.	
					FX-500 series	U-LG LONG FAST H-SP	FX-101 (Upper value) FX-102 (Lower value)				
Wide beam	Sensing width 32mm W5 x H69 x D20	Tough NEW FT-A32	R2 Bending durability	2 m	STD (Note 2) 3,600 141.732	3,600 141.732 (Note 2) 3,600 141.732 (Note 2) 3,600 141.732 (Note 2)	3,600 141.732 (Note 2)	3.2 x 32	IP40	-40 to +60 °C	
	Allows flexible wiring	NEW FT-A32W	R1		STD (Note 2) 3,600 141.732	3,600 141.732 (Note 2) 3,600 141.732 (Note 2) 3,600 141.732 (Note 2)					3,600 141.732 (Note 2)
	Sensing width 11mm W4 x H31 x D13.5	Tough NEW FT-A11	R2 Bending durability		STD (Note 2) 3,600 141.732	3,600 141.732 (Note 2) 3,600 141.732 (Note 2) 3,600 141.732 (Note 2)	1,900 74.803 3,600 141.732 (Note 2)			2.2 x 11	-40 to +70 °C
	Allows flexible wiring	NEW FT-A11W	R1		STD (Note 2) 3,600 141.732	3,600 141.732 (Note 2) 3,600 141.732 (Note 2) 3,600 141.732 (Note 2)	1,700 66.929 3,400 133.858				
Array	Sensing width 5.5mm W5 x H15 x D15	Tough NEW FT-AL05	R2 Bending durability	STD 860 33.858	1,550 61.024 1,500 59.055 500 19.685	250 9.843 660 25.984	0.25 x 5.5	-55 to +80 °C			

Notes: 1) Note that the sensing range of the free-cut type fiber may be reduced by 20 % max. depending upon how the fiber is cut.
2) The fiber cable length practically limits the sensing range to 3,600 mm 141.72 in long.

Reflective type

Type	Shape of fiber head (mm)	Model No.	Bending radius (mm)	Fiber cable length Free-cut	Sensing range (mm in) (Note 1, 2)			Protection	Ambient temp.
					FX-500 series	U-LG LONG FAST H-SP	FX-101 (Upper value) FX-102 (Lower value)		
Wide beam	W7 x H15 x D30	Tough NEW FD-A16	R4 Bending durability	2 m	STD 200 7.874	200 7.874 140 5.512 75 2.953	120 4.724 240 9.449	IP40	-40 to +60 °C
Array	W5 x H20 x D20	Tough NEW FD-AL11	R2 Bending durability		STD 320 12.598	530 20.866 510 20.079 180 7.087 50 1.969	100 3.937 285 11.220		

Notes: 1) Note that the sensing range of the free-cut type fiber may be reduced by 20 % max. depending upon how the fiber is cut.
2) The sensing range is specified for white non-glossy paper.