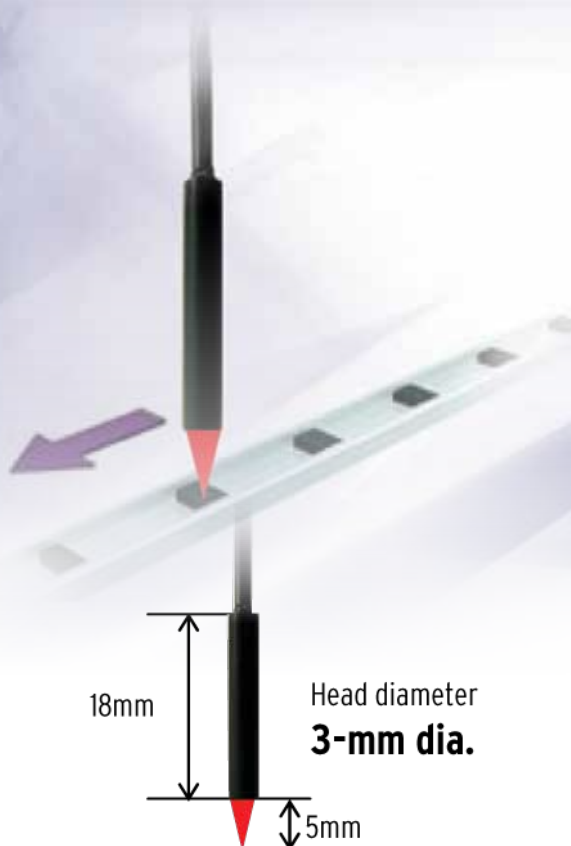


E32-C42S/T51R/D51R Fiber Sensor Heads



Spot diameter 0.1-mm dia.

Precise Positioning E32-C42S

- » Molded lens resists machine vibrations for stable detection



Heat Resistant E32-T51R/D51R

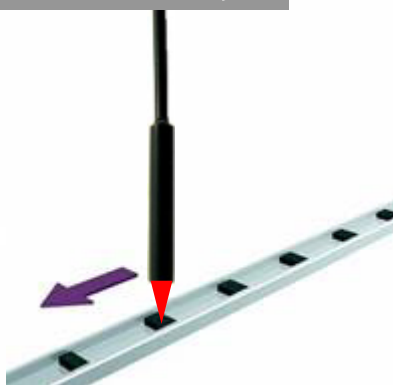
- » High temperature flexible cable up to 100°C

Precision Fiber Sensor Head E32-C42S

Provides a stable method of detecting small objects in narrow spaces.



Presence detection of small object



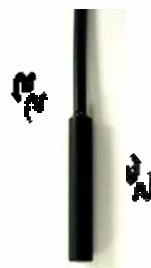
Attaching Lens unit



Two-piece solution is trickier to control when vibration is present.



Fiber Unit with a built-in lens



One-piece solution offers better stability when vibration is present.

Ordering Information

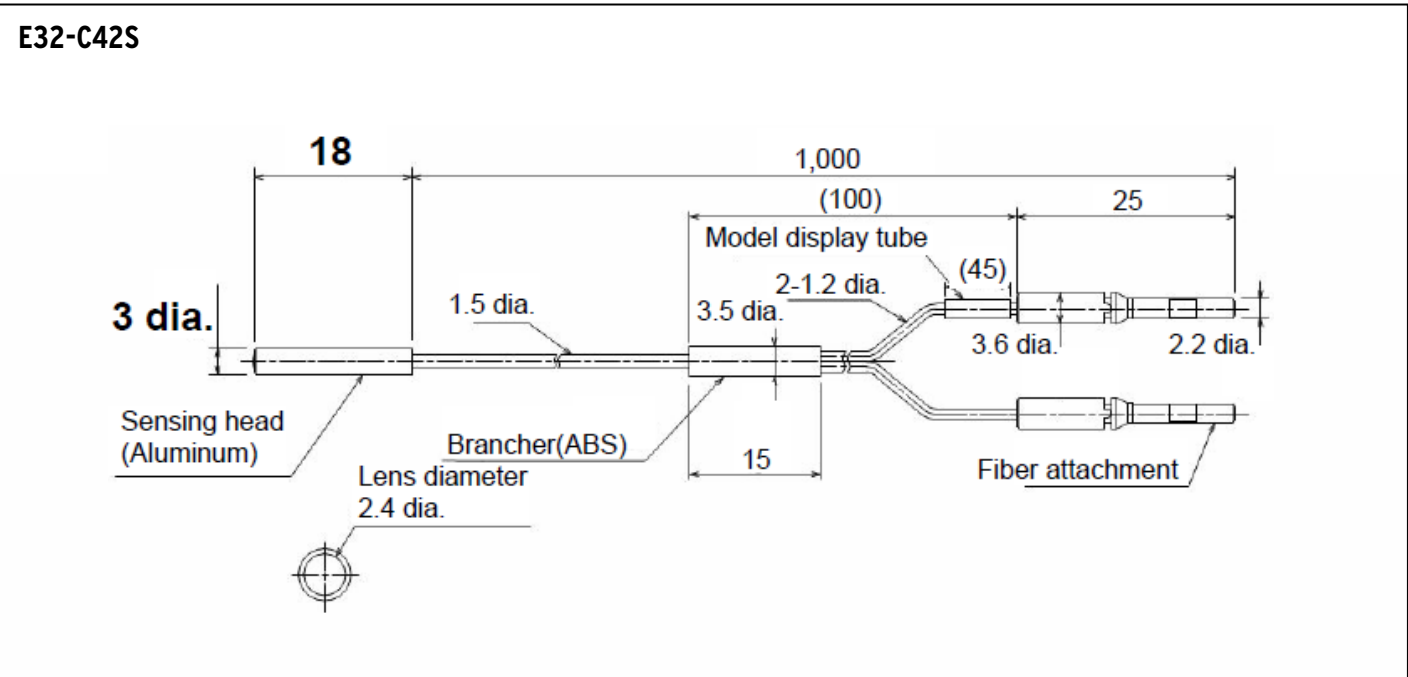
Type	Model	Spot diameter
Reflective	E32-C42S 1M	0.1-mm dia. at 5mm (Typ.)

E32-C42S Precision Fiber Sensor Head

Ratings and Specifications

Ambient temperature range	Ambient humidity range	Fiber sheath material (Coating material)	Min. bending radius (mm)	Degree of protection IEC standard
Operating: -40 to +70°C	Operating: 35 to 85% RH	Plastic (Polyolefin coating)	R25	IP50

Dimensions

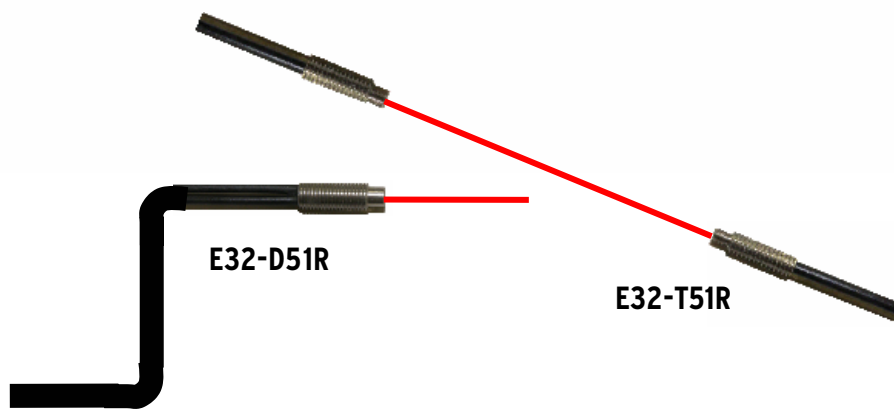


Heat-Resistant Fiber Sensor Head

E32-T51R/D51R



Heat-resistant to 100°C with a bending radius of 2mm. Ideal for use in hot crowded spaces where bending the flexible cable provides easy access to sensing area.



Ordering Information

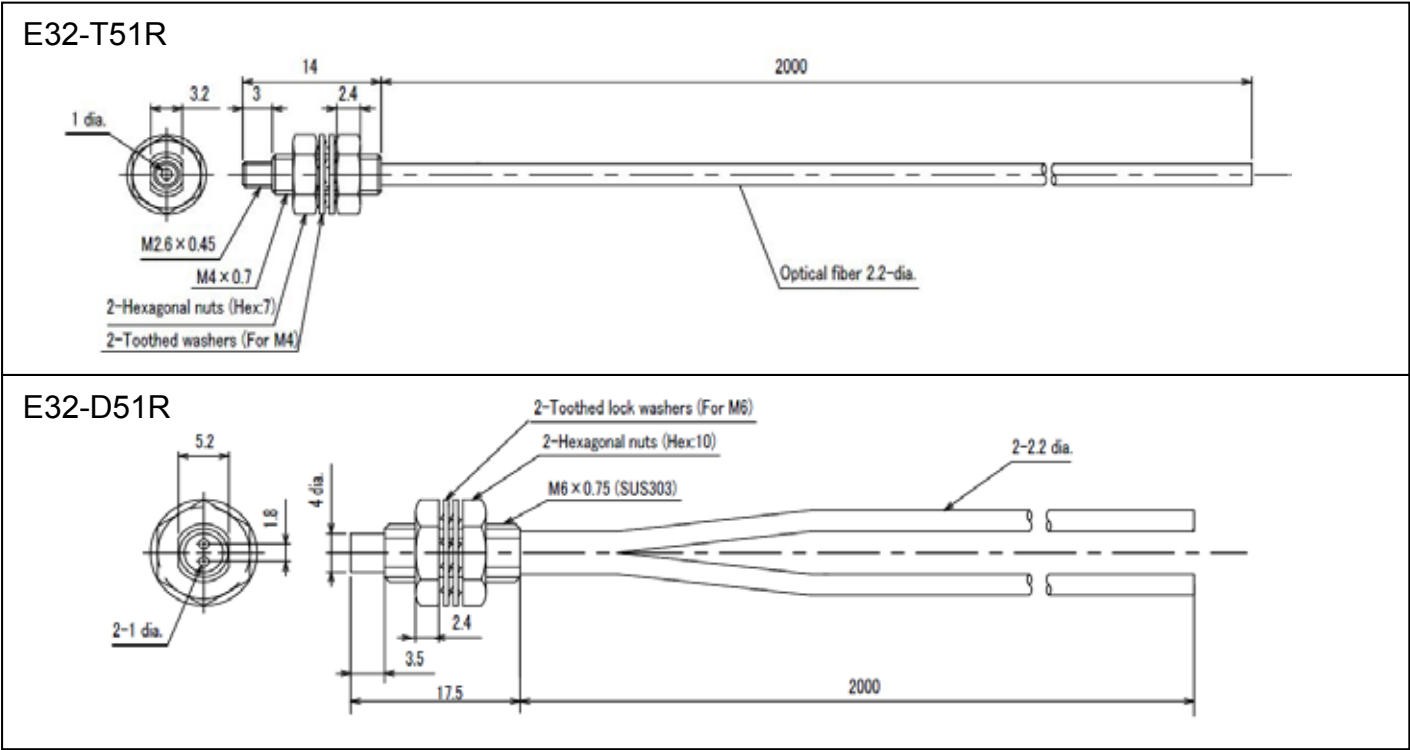
Type	Model	Heat-resistant temperature	Min. bending radius (mm)
Through-beam	E32-T51R 2M	-40 to +100°C For continuous operation: -40 to +90°C	R2
Reflective	E32-D51R 2M		

Sensing Distance (mm)

	E3X-DA21-S					E3X-DA11-S			
	Tough mode	High-resolution mode	Standard mode	High-speed mode	Super-high-speed mode	High-resolution mode	Standard mode	High-speed mode	Super-high-speed mode
E32-T51R 2M	1,600	1,100	800	560	225	560	425	280	110
E32-T51R 5M	1,130	790	565	395	155	395	300	195	75
E32-D51R 2M	670	480	280	190	80	240	135	95	40
E32-D51R 5M	425	305	175	120	50	150	85	60	25

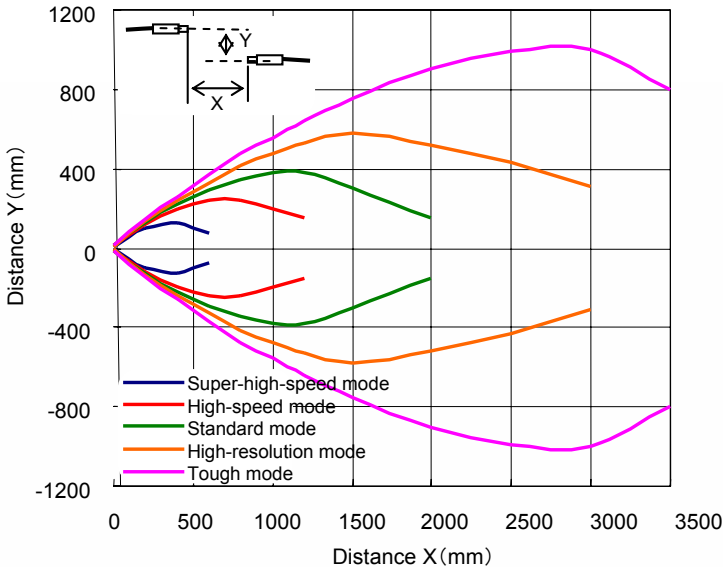
E32-T51R/D51R Heat-Resistant Sensor Head

Dimensions

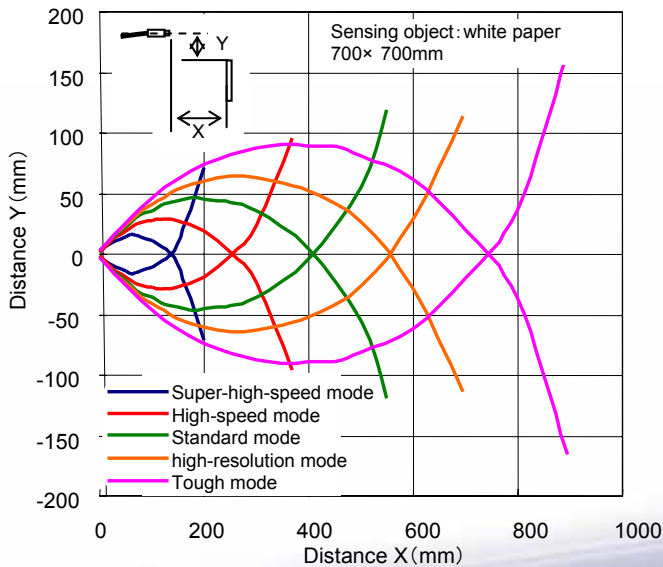


Engineering Data (Typical)

Parallel operating range
E3X-DA21-S + E32-T51R



Operating range
E3X-DA21-S + E32-D51R



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