



Robot application fiber sensor heads

For applications on frequently or fast moving parts, the robot fibers reduce the risk of fiber breakage with a guaranteed operational life of more than 1 million bending cycles

- Free moving multicore fibers for > 1 mio bending cycles
- Square shapes for easy surface installation
- Cylindrical sizes from dia 1.5 mm to M6

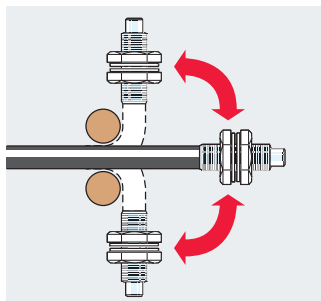
Ordering information

Sensor type	Size	Sensing distance (in mm) ^{*1}		Order code
		E3X-HD	E3NX-FA	
	M4	1350	2000	E32-T11 2M
	M3	400	600	E32-T21 2M
	dia 3 mm	1350	2000	E32-T12B
	dia 2 mm	400	600	E32-T221B
	dia 1.5 mm	400	600	E32-T22B
	15 x 18 x 3 mm	1350	2000	E32-T15XB 2M
	M6	350	520	E32-D11 2M
	M4	140	210	E32-D21B 2M
	M3	60	90	E32-D21 2M
	dia 1.5 mm	60	90	E32-D22B 2M
	15 x 10 x 3 mm	350	520	E32-D15XB 2M

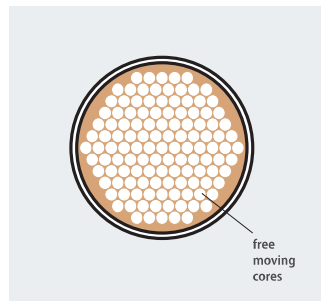
^{*1} Sensing distance measured in Standard Mode

Specifications

Item	Square		Cylindrical		
	E32-D15XB E32-T15XB		E32-T21	E32-D11 E32-T11	E32-D21 E32-T12B E32-T22B
Permissible bending radius	R4				
Cut to length	Yes				
Ambient temperature	-40°C to 70°C				
Material	Head	Aluminium	Brass-nickel plated		Stainless steel
	Fiber	PMMA			
	Sheath	PVC coating	Polyethylene coating	PVC coating	
Degree of protection	IEC 60529 IP67				



Guaranteed more than 1 mio bending operations



Free moving fiber cores prevent fiber breakage and light intensity loss when the fiber is bent.

