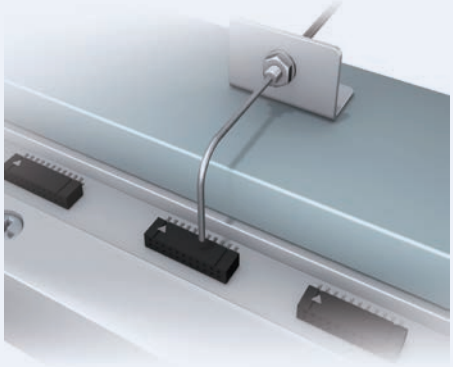
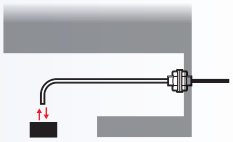


- Sleeve Fiber Units allow detection away from the point of installation for stable close-range detection of small objects.
- The shape of sleeve can be changed freely. (Refer to the sleeve bending specifications in the Appearance column of the specifications table.)



Specifications

Reflective Fiber Units

Sensing direction	Appearance (mm)	Bending radius of cable	Sensing distance (mm) E3X-HD GIGA	E3X-HD HS	E3X-HD Other modes	E3NX-FA NEW GIGA	E3NX-FA NEW HS	E3NX-FA NEW Other modes	Optical axis diameter (minimum sensing object)	Models	19 Page Dimensions No.
Side-view	The sleeve cannot be bent. 20, 15, 3 dia., 2 dia. IP67	Flexible, R1	70	20	ST : 30 SHS: 8	100	30	ST : 45 SHS: 8	(5 µm dia./ 2 µm dia.)	E32-D24R 2M	19-A
	Sleeve bending radius: 25 mm 65, 15, 4.8 dia., 2.1 dia. IP67	R25	120	45	ST : 53 SHS: 14	180	67	ST : 79 SHS: 14		E32-D24-S2 2M NEW	19-B
Top-view	The sleeve cannot be bent. 15, 3, 1.5 dia., 0.5 dia. IP67	R4	28	8	ST : 12 SHS: 4	42	12	ST : 18 SHS: 4		E32-D43M 1M	19-C
	The sleeve cannot be bent. 15, 15, 2 dia., 0.5 dia. IP67		14	4	ST : 6 SHS: 2	21	6	ST : 9 SHS: 2		E32-D331 2M	19-D
	The sleeve cannot be bent. 20, 15, 3 dia., 0.8 dia. IP67	R25	70	20	ST : 30 SHS: 8	100	30	ST : 45 SHS: 8		E32-D33 2M	19-E
	The sleeve cannot be bent. 15, 5, 3 dia., 0.82 dia. IP67	R4	63	18	ST : 27 SHS: 7	94	27	ST : 40 SHS: 7		E32-D32-S1 0.5M NEW	19-F
	The sleeve cannot be bent. 15, 15, M3, 0.82 dia. IP67									E32-D31-S1 0.5M NEW	19-G
	Sleeve bending radius: 5 mm 11, 40, M3, 1.2 dia. IP67	Flexible, R1	140	40	ST : 60 SHS: 16	210	60	ST : 90 SHS: 16		E32-DC200F4R 2M	19-H
	The sleeve cannot be bent. 15, 22, 4 dia., 1.65 dia. IP67	R10	250	72	ST : 110 SHS: 30	370	100	ST : 160 SHS: 30		E32-D22-S1 2M NEW	19-I
	Sleeve bending radius: 10 mm 16, 67, M4, 1.65 dia. IP67									E32-D21-S3 2M NEW	19-J
	The sleeve cannot be bent. 17, 90, M6, 2.5 dia. IP67	Flexible, R1	840	240	ST : 350 SHS: 100	1,260	360	ST : 520 SHS: 100		E32-DC200BR 2M	19-K
	Sleeve bending radius: 10 mm 15, 10, 3, 67, 1.65 dia. IP67	R10	250	72	ST : 110 SHS: 30	370	100	ST : 160 SHS: 30		E32-D25-S3 2M NEW	19-L

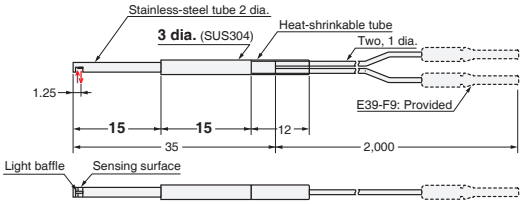
Note 1. The following mode names and response times apply to the modes given in the Sensing distance column.
[E3X-HD] GIGA: Giga-power mode (16 ms), HS: High-speed mode (250 µs), ST: Standard mode (1 ms), and SHS: Super-high-speed mode (NPN output: 50 µs, PNP output: 55 µs)
[E3NX-FA] GIGA: Giga-power mode (16 ms), HS: High-speed mode (250 µs), ST: Standard mode (1 ms), and SHS: Super-high-speed mode (30 µs)
2. The values for the minimum sensing object are reference values that indicate values obtained in standard mode with the sensing distance and sensitivity set to the optimum values. The first value is for the E3X-HD and the second value is for the E3NX-FA.
3. The sensing distances for Reflective Fiber Units are for white paper.
4. The sensing distances for E3NX-FA are values for E3NX-FA□ models. The distances for E3NX-FAH□ infrared models are different.

Dimensions

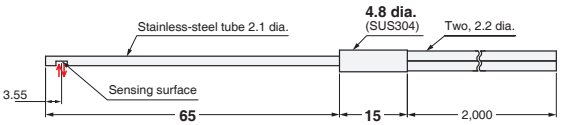
Installation Information → 58, 59 Page

Reflective Fiber Units

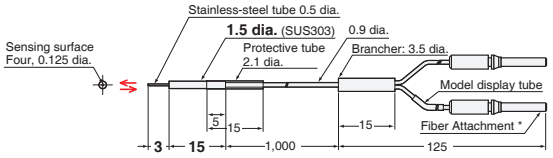
19-A E32-D24R 2M (Free Cutting)



19-B E32-D24-S2 2M (Free Cutting)

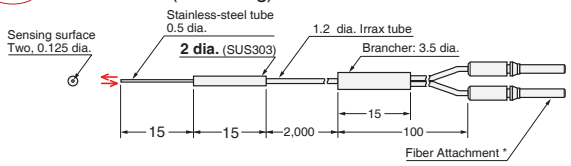


19-C E32-D43M 1M (No Cutting)



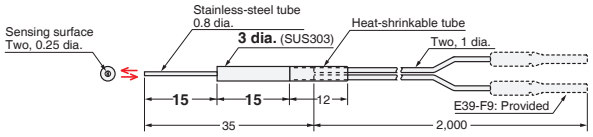
*Attached with adhesive and cannot be removed.

19-D E32-D331 2M (No Cutting)

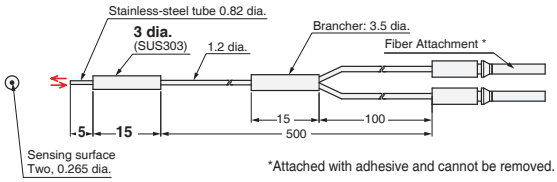


*Attached with adhesive and cannot be removed.

19-E E32-D33 2M (Free Cutting)

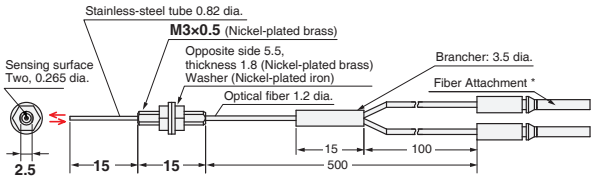


19-F E32-D32-S1 0.5M (No Cutting)



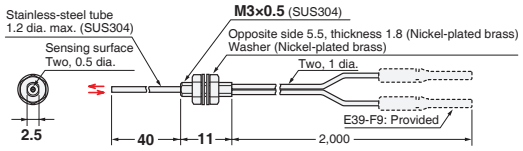
*Attached with adhesive and cannot be removed.

19-G E32-D31-S1 0.5M (No Cutting)

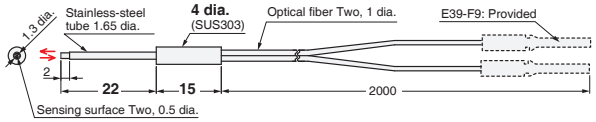


*Attached with adhesive and cannot be removed.

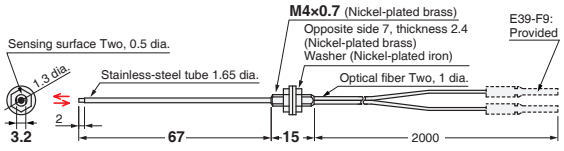
19-H E32-DC200F4R 2M (Free Cutting)



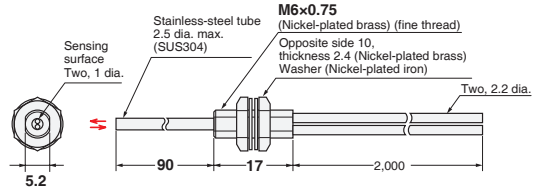
19-I E32-D22-S1 2M (Free Cutting)



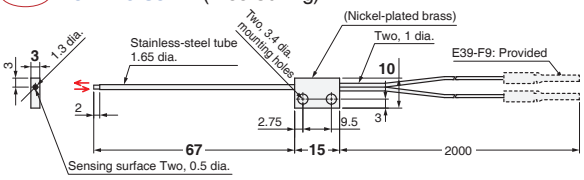
19-J E32-D21-S3 2M (Free Cutting)



19-K E32-DC200BR 2M (Free Cutting)



19-L E32-D25-S3 2M (Free Cutting)



- Reference Information for Model Selection -

And

In case of bending sleeve

The E32-DC200F4R , E32-D21-S3 and E32-D25-S3 have bendable sleeves.
Use the Sleeve Bender to bend them.

Sleeve Bender (sold separately)

Appearance	Applicable Fiber Units	Model
 Uses for the bending of the sleeve.	E32-DC200F4R E32-D21-S3 E32-D25-S3	E39-F11