

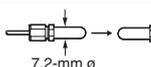
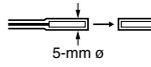
High resolution mode      Standard mode  
 Super long-distance mode      Super high-speed mode  
 Green light      Red light      Infrared ray

Features	Appearance	Applicable Amplifier Unit	Sensing distance (mm) <sup>*1</sup>	Standard object <sup>*2</sup> (min. sensing object: Gold wire)	Model	Permissible bending radius	
2 mm $\phi$ coaxial; high-precision positioning Free-cut Small spot lens mountable (E39-F3A.)		E3X-DA□-S	<span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; background-color: white;"></span> 120 <span style="display: inline-block; width: 10px; height: 10px; background-color: gray;"></span> 75 <span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; background-color: white;"></span> 22	Spot $\phi$ <sup>*3</sup> • Adjustable in the range 0.1 to 0.6-mm $\phi$	100x100 (0.005 mm $\phi$ )	E32-D32	25 mm
		E3X-DA□-N	<span style="display: inline-block; width: 10px; height: 10px; background-color: black;"></span> 100 <span style="display: inline-block; width: 10px; height: 10px; background-color: gray;"></span> 75 <span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; background-color: white;"></span> 25		100x100 (0.01 mm $\phi$ )		
		E3X-MDA	<span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; background-color: white;"></span> 75 <span style="display: inline-block; width: 10px; height: 10px; background-color: gray;"></span> 52 <span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; background-color: white;"></span> 22		100x100 (0.005 mm $\phi$ )		
		E3X-NA□(V)	<span style="display: inline-block; width: 10px; height: 10px; background-color: lightblue;"></span> 40		50x50 (0.01 mm $\phi$ )		
		E3X-NAG□	<span style="display: inline-block; width: 10px; height: 10px; background-color: lightblue;"></span> 6		25x25 (0.1 mm $\phi$ )		
		E3X-NA□F	<span style="display: inline-block; width: 10px; height: 10px; background-color: lightblue;"></span> 13		25x25 (0.02 mm $\phi$ )		

- \*1. Sensing distance based on a white paper.
- \*2. Indicates values for standard mode.
- \*3. Refer to page "AB-" when using the optional lens unit

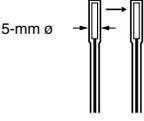
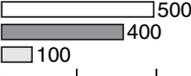
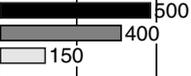
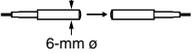
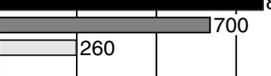
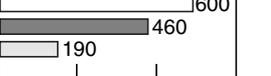
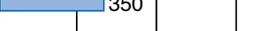
**Chemical resistant**  
 Throughbeam fiber unit

High resolution mode      Standard mode  
 Super long-distance mode      Super high-speed mode  
 Green light      Red light

Features	Appearance	Applicable Amplifier Unit	Sensing distance (mm) <sup>*1</sup> (Parentheses: With E39-F1 Lens Unit)	Standard object <sup>*2</sup> (min. sensing object) (Parentheses: Opaque object)	Model	Permissible bending radius
Teflon-covered <sup>*3</sup> ; round head that resists water drops Free-cut		E3X-DA□-S	<span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; background-color: white;"></span> 2,500 <span style="display: inline-block; width: 10px; height: 10px; background-color: gray;"></span> 2,000 <span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; background-color: white;"></span> 520	4 mm $\phi$ (0.1 mm $\phi$ )	E32-T11F	4 mm
		E3X-MDA	<span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; background-color: white;"></span> 1,600 <span style="display: inline-block; width: 10px; height: 10px; background-color: gray;"></span> 1,300 <span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; background-color: white;"></span> 520	4 mm $\phi$ (0.1 mm $\phi$ )		
Teflon-covered <sup>*3</sup> ; withstands chemicals and harsh environments (operating ambient temperature: -30°C to 70°C) Free-cut		E3X-DA□-S	<span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; background-color: white;"></span> 4,000 <span style="display: inline-block; width: 10px; height: 10px; background-color: gray;"></span> 3,000 <span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; background-color: white;"></span> 800	4 mm $\phi$ (0.1 mm $\phi$ )	E32-T12F	40 mm
		E3X-DA□-N	<span style="display: inline-block; width: 10px; height: 10px; background-color: black;"></span> 3,800 <span style="display: inline-block; width: 10px; height: 10px; background-color: gray;"></span> 3,000 <span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; background-color: white;"></span> 1,100	4 mm $\phi$ (0.01 mm $\phi$ )		
		E3X-MDA	<span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; background-color: white;"></span> 2,600 <span style="display: inline-block; width: 10px; height: 10px; background-color: gray;"></span> 2,000 <span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; background-color: white;"></span> 800	4 mm $\phi$ (0.1 mm $\phi$ )		
		E3X-NA□(V)	<span style="display: inline-block; width: 10px; height: 10px; background-color: lightblue;"></span> 1,600	4.0 mm $\phi$ (0.2 mm $\phi$ )		
		E3X-NAG□	<span style="display: inline-block; width: 10px; height: 10px; background-color: lightblue;"></span> 300			
		E3X-NA□F	<span style="display: inline-block; width: 10px; height: 10px; background-color: lightblue;"></span> 480	4.0 mm $\phi$ (0.7 mm $\phi$ )		

- \*1. Sensing distance based on a white paper.
- \*2. Indicates values for standard mode.
- \*3. Teflon is a registered trademark of Dupont Company and Mitsui Dupont Company for their fluoride resin.

High resolution mode      Standard mode  
 Super long-distance mode      Super high-speed mode  
 Green light      Red light

Features	Appearance	Applicable Amplifier Unit	Sensing distance (mm) <sup>*1</sup> (Parentheses: With E39-F1 Lens Unit)	Standard object <sup>*2</sup> (min. sensing object) (Parentheses: Opaque object)	Model	Permissible bending radius
Teflon-covered <sup>*3</sup> ; withstands chemicals and harsh environments; side-view (operating ambient temperature: -30°C to 70°C) Free-cut		E3X-DA□-S		3 mm ø (0.1 mm ø)	E32-T14F	
		E3X-DA□-N		3 mm ø (0.01 mm ø)		
		E3X-MDA		3 mm ø (0.1 mm ø)		
		E3X-NA□(V)		3.0 mm ø (0.2 mm ø)		
		E3X-NAG□				
		E3X-NA□F		3.0 mm ø (0.7 mm ø)		
Teflon <sup>*3</sup> ; withstands chemicals and harsh environments (operating ambient temperature: -40°C to 200°C)		E3X-DA□-S		1.0 mm ø (0.005 mm ø)	E32-T81F-S	10 mm
		E3X-DA□-N		1 mm ø (0.01 mm ø)		
		E3X-MDA		1.0 mm ø (0.005 mm ø)		
		E3X-NA□(V)		1.0 mm ø (0.2 mm ø)		
		E3X-NA□F		1.0 mm ø (0.5 mm ø)		

<sup>\*1</sup>. Sensing distance based on a white paper.  
<sup>\*2</sup>. Indicates values for standard mode.  
<sup>\*3</sup>. Teflon is a registered trademark of Dupont Company and Mitsui Dupont Company for their fluoride resin.