

Mutual Interference Prevention Filter (for E3ZS)

Dimensions	Model	Quantity	Remarks
	E39-E11	2 per Emitter and Receiver (4 total)	For use with E3ZS-T81A. This filter prevents mutual interference by changing the direction of polarized light of the 2 adjacent Emitter/Receivers. However, when the filter is attached, the maximum sensing distance of the E3ZS is reduced to 1.5 m.

Cables with Connectors (Socket and Plug) on Both Ends (for extension)

Type	Cable connection direction	Cable length L (m)	DC	UL standard
			Model	
Fire-retardant, robot cable	Straight/straight	1	XS2W-D421-C81-F	●
		2	XS2W-D421-D81-F	
		5	XS2W-D421-G81-F	
		10	XS2W-D421-J81-F	
	Right angle/right angle	2	XS2W-D422-D81-F	
		5	XS2W-D422-G81-F	
	Straight/right angle	2	XS2W-D423-D81-F	
		5	XS2W-D423-G81-F	
	Right angle/straight	2	XS2W-D424-D81-F	
		5	XS2W-D424-G81-F	

Note: Extend the cable under the following conditions.

- Overall cable length for both an E3FS Receiver connected to an G9SP and the Emitter connected to the G9SP must be within 50 m.
- Overall cable length for both an E3ZS Receiver connected to an G9SP and the Emitter connected to the G9SP must be within 100 m.

Cables with Connector (Socket) on One End (connecting to G9SP)

Type	Cable connection direction	Cable length L (m)	DC	UL standard
			Model	
Fire-retardant, robot cable	Straight	1	XS2F-D421-C80-F	●
		2	XS2F-D421-D80-F	
		5	XS2F-D421-G80-F	
		10	XS2F-D421-J80-F	
	Right angle	1	XS2F-D422-C80-F	
		2	XS2F-D422-D80-F	
		5	XS2F-D422-G80-F	
		10	XS2F-D422-J80-F	

Note: Extend the cable under the following conditions.

- Overall cable length for both an E3FS Receiver connected to an G9SP and the Emitter connected to the G9SP must be within 50 m.
- Overall cable length for both an E3ZS Receiver connected to an G9SP and the Emitter connected to the G9SP must be within 100 m.

Connector Plug Assemblies, Solder Type *

Applicable cable diameter (mm)	Cable connection direction	Connection method	Model
3 dia. (3 to 4 dia.)	Straight	Solder	XS2G-D425
	Right angle		XS2G-D426

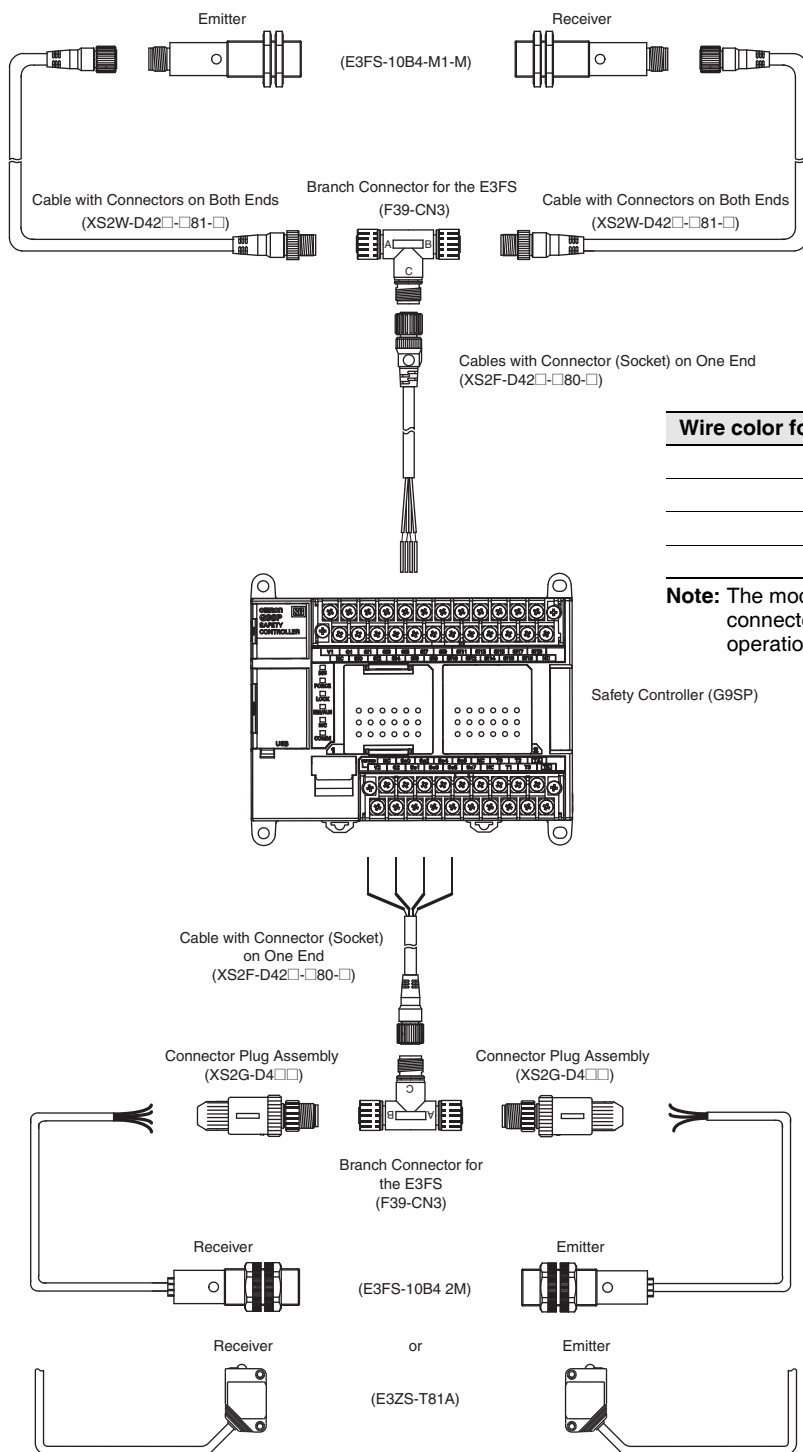
* Use when connecting an E3ZS-T81A or E3FS-10B4 2M to an F39-CN3 Branch Connector.

Connector Plug Assemblies, Screw-on Type *

Applicable cable diameter (mm)	Cable connection direction	Connection method	Model
3 dia. (3 to 4 dia.)	Straight	Screw-on	XS2G-D4S5
	Right angle		XS2G-D4S6

* Use when connecting an E3ZS-T81A or E3FS-10B4 2M to an F39-CN3 Branch Connector.

System Configuration



Wire color for XS2F-D42□-□80-□	Function
White	Test input
Black	Control input
Blue	0V
Brown	24V

Note: The mode selection input wire of the E3FS is connected to 24 V inside the F39-CN3. Light-ON operation is performed.