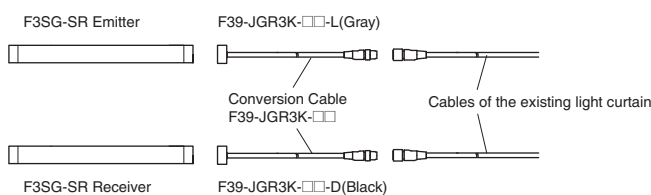


**[Conversion Cable: Converting Wiring for Existing Light Curtain]**  
**Conversion Cable**

| Appearance                                                                        | Specifications                                                                                         | Type                                                                                                                                                                  | Cable length | Model          |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------------|
|  | Used to convert the wiring for F3SJ-B/-A, F3SR-B or F3SN Safety Light Curtain to that for the F3SG-SR. | F3SJ-B/A Conversion Cable<br>For emitter<br>To sensor: dedicated connector 1,<br>To wires for F3SJ-B/-A, F3SR or F3SN:<br>M12 connector type (8 pin)<br>Color: Gray   | 0.3 m        | F39-JGR3K-SJ-L |
|                                                                                   |                                                                                                        | F3SJ-B/A Conversion Cable<br>For receiver<br>To sensor: dedicated connector 1,<br>To wires for F3SJ-B/-A, F3SR or F3SN:<br>M12 connector type (8 pin)<br>Color: Black |              | F39-JGR3K-SJ-D |
|                                                                                   | Used to convert the wiring for F3SG-RE Safety Light Curtain to that for the F3SG-SR.                   | F3SG-RE Conversion Cable<br>For emitter<br>To sensor: dedicated connector 1,<br>To wires for F3SG-RE:<br>M12 connector type (4 pin)<br>Color: Gray                    | 0.3 m        | F39-JGR3K-RE-L |
|                                                                                   |                                                                                                        | F3SG-RE Conversion Cable<br>For receiver<br>To sensor: dedicated connector 1,<br>To wires for F3SG-RE:<br>M12 connector type (4 pin)<br>Color: Black                  |              | F39-JGR3K-RE-D |
|                                                                                   | Used to convert the wiring for MS4800 Safety Light Curtain to that for the F3SG-SR.                    | MS48 Conversion Cable<br>For emitter<br>To sensor: dedicated connector 1,<br>To wires for MS4800:<br>M12 connector type (5 pin)<br>Color: Gray                        | 0.3 m        | F39-JGR3K-MS-L |
|                                                                                   |                                                                                                        | MS48 Conversion Cable<br>For receiver<br>To sensor: dedicated connector 1,<br>To wires for MS4800:<br>M12 connector type (8 pin)<br>Color: Black                      |              | F39-JGR3K-MS-D |

**Note: 1.** Cables are not included with the safety light curtain/safety multi-light beam.  
 When connecting to the cables of the existing light curtain, order the conversion cables.  
 Conversion cables are only for PNP connection. To use for NPN, connect the 24 VDC line and the 0 VDC line in reverse. For details, refer to *User's Manual* (Man. No. Z405).



- 2.** Do not connect the Conversion Cable for the following purposes. Failure to do so may result in failure.
- Connecting with the F39-SGIT-IL3, F39-GCNY2, F39-GCNY3 or F39-GCN5
  - Connecting between the F3SG-SR's

## Configuration Tool SD Manager 3 and Intelligent Tap

### Configuration tool SD Manager 3

| Type                    | Specifications                                                                                                                                                                                       |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SD Manager 3            | Configuration tool running on a PC.<br>Use with the Intelligent Tap. (The Bluetooth® communication unit is required to connect using Bluetooth®.)<br>For details, refer to your local Omron website. |
| SD Manager 3 Mobile APP | Monitoring tool running on a smartphone.<br>Use with the Intelligent Tap and Bluetooth® communication unit.<br>For details, refer to your local Omron website.                                       |

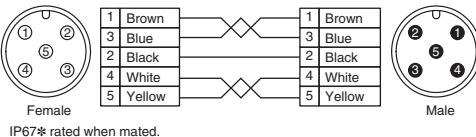
### Intelligent Tap \*

| Appearance                                                                         | Specifications                                                                                                                                                                                                                                                            | Type                                     | Model               |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|---------------------|
|    | Used to configure the F3SG-SR/PG and connect external devices via IO-Link. The F3SG-SR/PG can be configured on a PC or with the DIP switch on the Intelligent Tap.<br>IP67 and IP67G (JIS C 0920 Annex 1) rated when mated.                                               | Intelligent Tap                          | <b>F39-SGIT-IL3</b> |
|   | Mounted to the Intelligent Tap to connect with the SD Manager 3 via Bluetooth®.<br>IP67 and IP67G (JIS C 0920 Annex 1) rated when mated.<br>* For the regions where the Bluetooth® Communication Unit can be used, refer to <i>Legislation and Standards</i> on page 140. | Bluetooth® Communication Unit            | <b>F39-SGBT</b>     |
|  | Bracket to mount the Intelligent Tap on a DIN track.                                                                                                                                                                                                                      | Intelligent Tap Bracket For DIN in Panel | <b>F39-LITF1</b>    |

**Note:** Please contact your OMRON sales representative regarding the IO-Link setup file (IODD file).

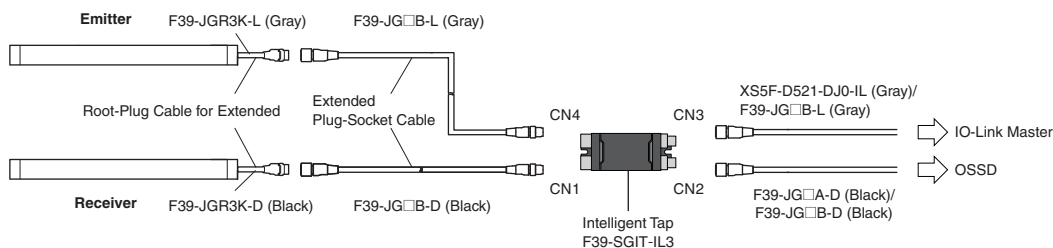
\* Use the F39-SGBT Bluetooth® Communication Unit or a commercially available USB Type-C™ cable to connect to a PC.

### Intelligent Tap-to-IO-Link Master Cable

| Omron IO-Link master unit | Type                                                                | Specifications                                                                                                            | Cable length | Model                   |
|---------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------|
| NX-ILM400                 | Single-ended cable<br>M12 connector (5-pin), 5 wires<br>Color: Gray | <br>Female<br>IP67* rated when mated.  | 2 m          | <b>XS5F-D521-DJ0-IL</b> |
| GX-ILM08C                 | Double-ended cable<br>M12 connector (5-pin), 5 wires<br>Color: Gray | <br>Female<br>IP67* rated when mated. | 3 m          | <b>F39-JG3B-L</b>       |
|                           |                                                                     |                                                                                                                           | 10 m         | <b>F39-JG10B-L</b>      |
|                           |                                                                     |                                                                                                                           | 20 m         | <b>F39-JG20B-L</b>      |

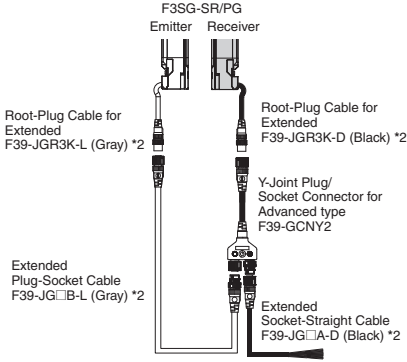
\* When the accessory is used, protect it from cutting oil.

**Note:** Use the F39-JG□A-D Extended Socket-Straight Cable or F39-JG□B-D Extended Plug-Socket Cable for safety output (OSSD).



## Reduced Wiring System

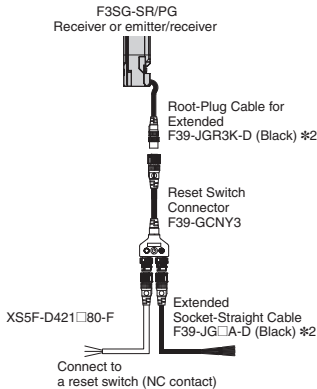
### Y-Joint Plug/Socket Connector

| Appearance                                                                        | Type                                                                    | Specifications                                                                     | Cable length | Model     |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------|-----------|
|  | M12 connectors.<br>Used for reduced wiring.<br>IP67*1 rated when mated. |  | 0.5 m        | F39-GCNY2 |

\*1. When the accessory is used, protect it from cutting oil.

\*2. Order the cable (root-plug cable for extended and extended cable) for emitter (end of model: -L) and the cable for receiver (end of model: -D).

### Reset Switch Connector

| Appearance                                                                         | Type                                                                    | Specifications                                                                      | Cable length | Model     |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------|-----------|
|  | M12 connectors.<br>Used for reduced wiring.<br>IP67*1 rated when mated. |  | 0.5 m        | F39-GCNY3 |

**Note:** Purchase a reset switch (NC contact) separately.

\*1. When the accessory is used, protect it from cutting oil.

\*2. Order the extended socket-straight cable for receiver (end of model: -D).

\*3. The External Device Monitoring (EDM) function cannot be used with this accessory.

### Reset Switch Connector-to-Reset Switch Cable

Connector Connected to Cable, Socket on One Cable End

| Appearance                                                                          | Type                           | Specifications                                                                                                                                                                                                                                                                                                                           | Cable length | Model           |        |   |       |       |   |      |        |   |       |     |     |                 |
|-------------------------------------------------------------------------------------|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------|--------|---|-------|-------|---|------|--------|---|-------|-----|-----|-----------------|
|  | M12 connector (4-pin), 4 wires |  <p>Female<br/>IP67* rated when mated.</p> <table><tr><td>1</td><td>Brown</td><td>24V/0V</td></tr><tr><td>2</td><td>White</td><td>RESET</td></tr><tr><td>3</td><td>Blue</td><td>0V/24V</td></tr><tr><td>4</td><td>Black</td><td>AUX</td></tr></table> | 1            | Brown           | 24V/0V | 2 | White | RESET | 3 | Blue | 0V/24V | 4 | Black | AUX | 1 m | XS5F-D421-C80-F |
|                                                                                     |                                |                                                                                                                                                                                                                                                                                                                                          | 1            | Brown           | 24V/0V |   |       |       |   |      |        |   |       |     |     |                 |
|                                                                                     |                                |                                                                                                                                                                                                                                                                                                                                          | 2            | White           | RESET  |   |       |       |   |      |        |   |       |     |     |                 |
|                                                                                     |                                |                                                                                                                                                                                                                                                                                                                                          | 3            | Blue            | 0V/24V |   |       |       |   |      |        |   |       |     |     |                 |
|                                                                                     |                                |                                                                                                                                                                                                                                                                                                                                          | 4            | Black           | AUX    |   |       |       |   |      |        |   |       |     |     |                 |
|                                                                                     |                                |                                                                                                                                                                                                                                                                                                                                          | 2 m          | XS5F-D421-D80-F |        |   |       |       |   |      |        |   |       |     |     |                 |
| 3 m                                                                                 | XS5F-D421-E80-F                |                                                                                                                                                                                                                                                                                                                                          |              |                 |        |   |       |       |   |      |        |   |       |     |     |                 |
| 5 m                                                                                 | XS5F-D421-G80-F                |                                                                                                                                                                                                                                                                                                                                          |              |                 |        |   |       |       |   |      |        |   |       |     |     |                 |
| 10 m                                                                                | XS5F-D421-J80-F                |                                                                                                                                                                                                                                                                                                                                          |              |                 |        |   |       |       |   |      |        |   |       |     |     |                 |
| 20 m                                                                                | XS5F-D421-L80-F                |                                                                                                                                                                                                                                                                                                                                          |              |                 |        |   |       |       |   |      |        |   |       |     |     |                 |

\* When the accessory is used, protect it from cutting oil.