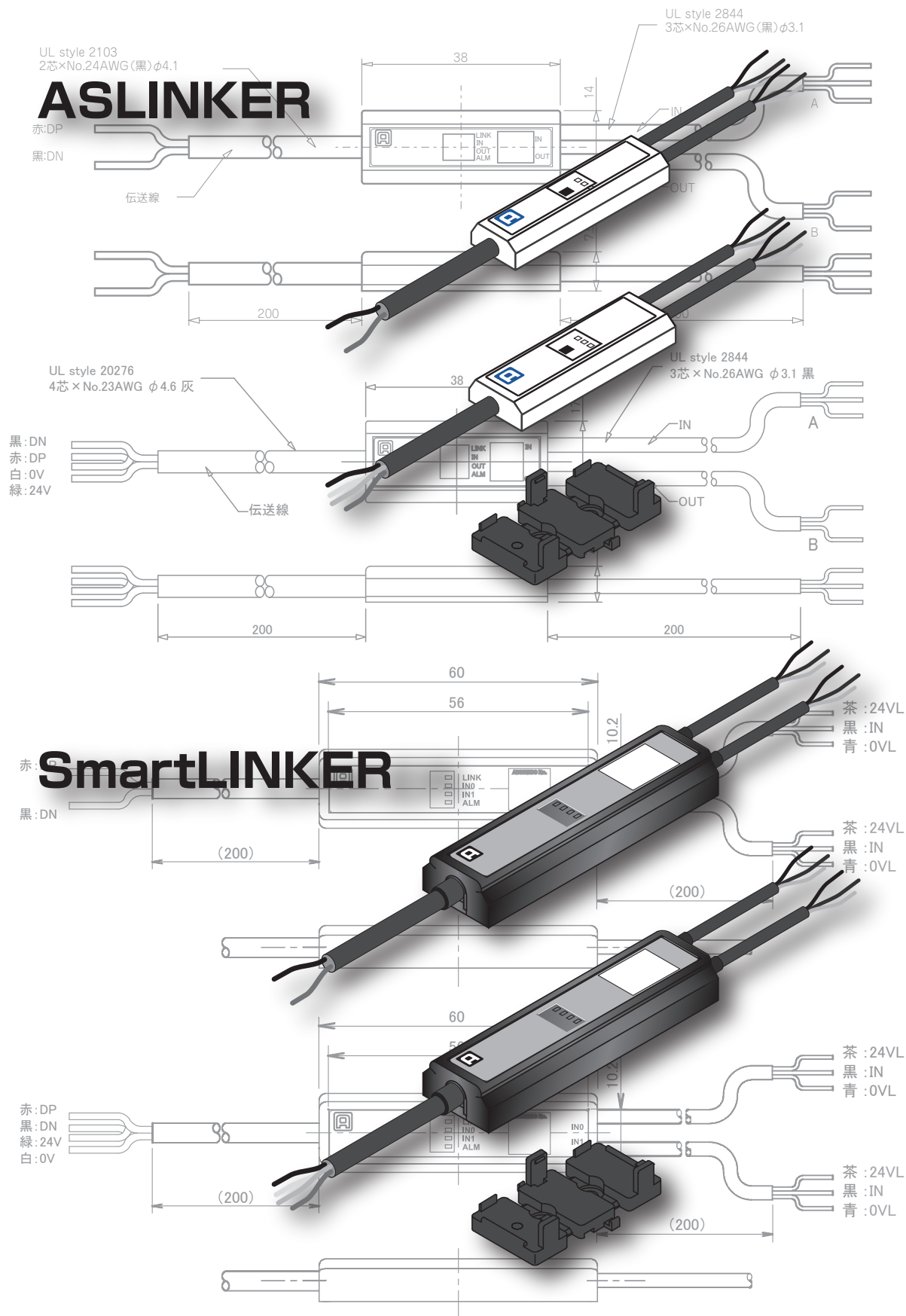


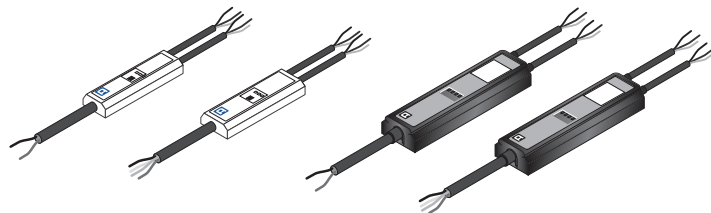
AnyWireASLINK

Startup Guide (ASLINKER)



1. What is ASLINKER?

What is ASLINKER?

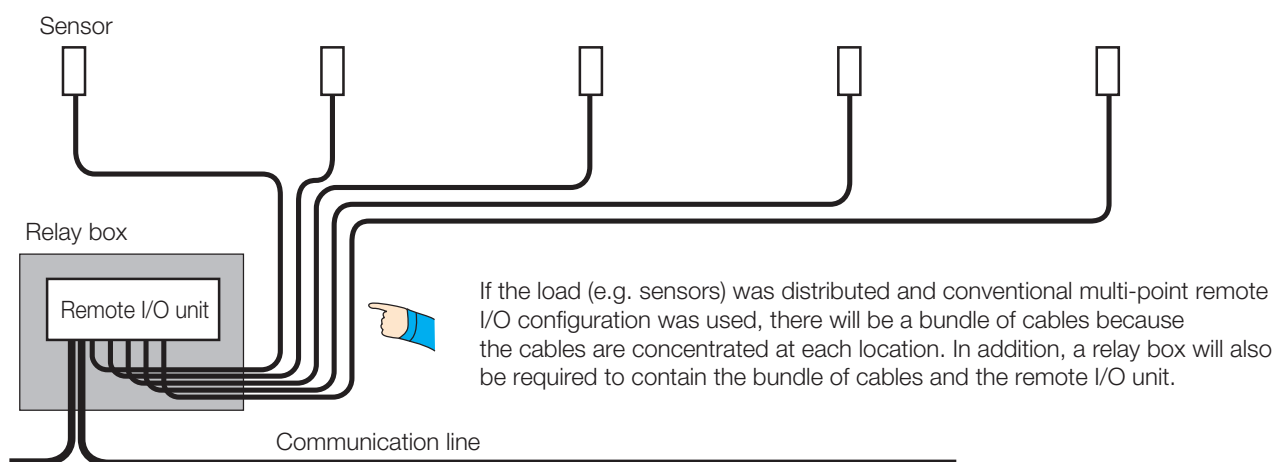


It is a space-saving compact terminal with two I/O points.

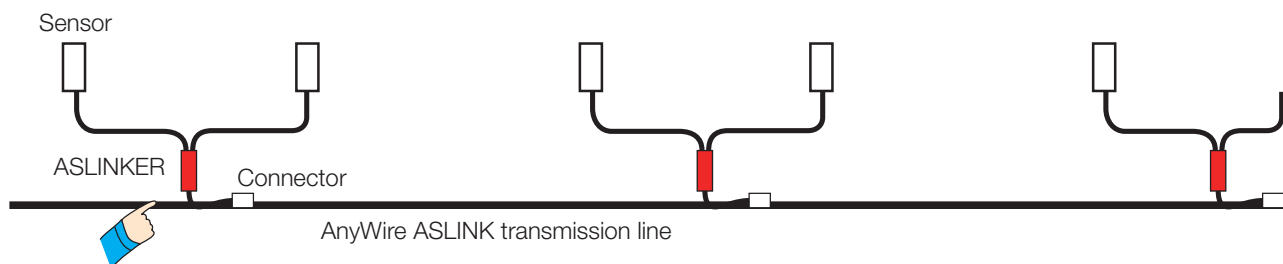
It enables distribution of a system in the unit of two I/O points using “remote I/O” units that are very compact.

Using this product, the configuration of “fewer-point and multi-distribution”, which is not supported by common communication systems, will be available.

[Configuration with common communication devices]



[Configuration with ASLINKER]



ASLINKER can be used in a distributed arrangement as shown above.

Being compact and located close to the relay connector, ASLINKER can be bound together with the transmission line, secured with dedicated adaptors, or contained in wire ducts, realizing a system that does not require much space.

2. Benefits from the Use of ASLINKER

In what cases would ASLINKER be effective?

Detection of disconnected sensors

If a disconnection of general-purpose two- or three-wire sensors needs to be detected.

Detection of sensor power line short-circuit

If a short-circuit in the power line of general-purpose sensors needs to be detected.

Distributed load

If general-purpose sensors and output loads are distributed.

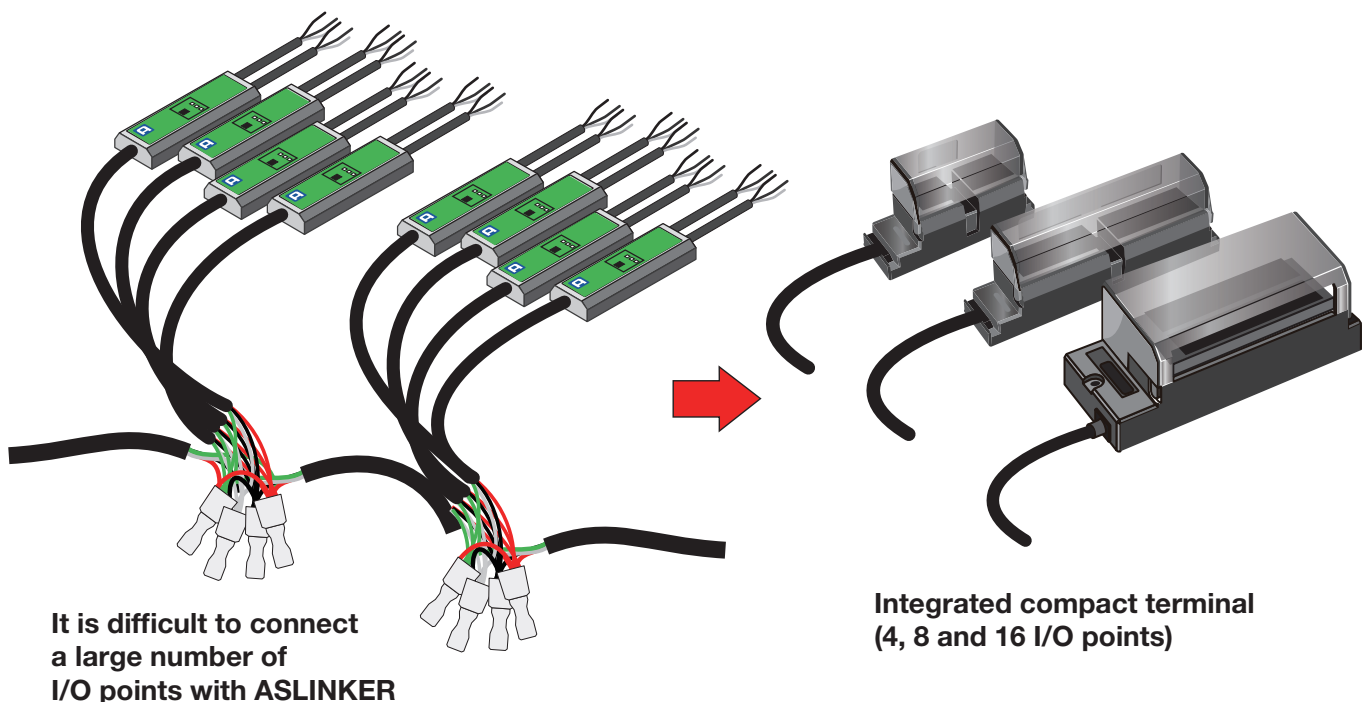
Compact device

If devices are too compact or the space for installation is not available inside.

ASLINKER and ASLINKTERMINAL should be used together.

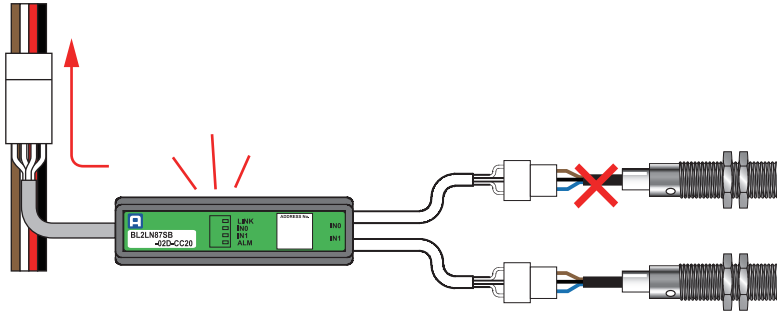
If many general-purpose sensors and LEDs were concentrated at a particular location, use the ASLINKTERMINAL, which provides a larger number of I/O points in a compact body, for replacing remote I/O units from other suppliers or at a location where the loads are crowded together.

The AnyWireASLINK system makes it possible to simplify and save space for the wiring of distributed loads, which used to be drawn all the way to the terminals in a system using remote I/O units of other suppliers.

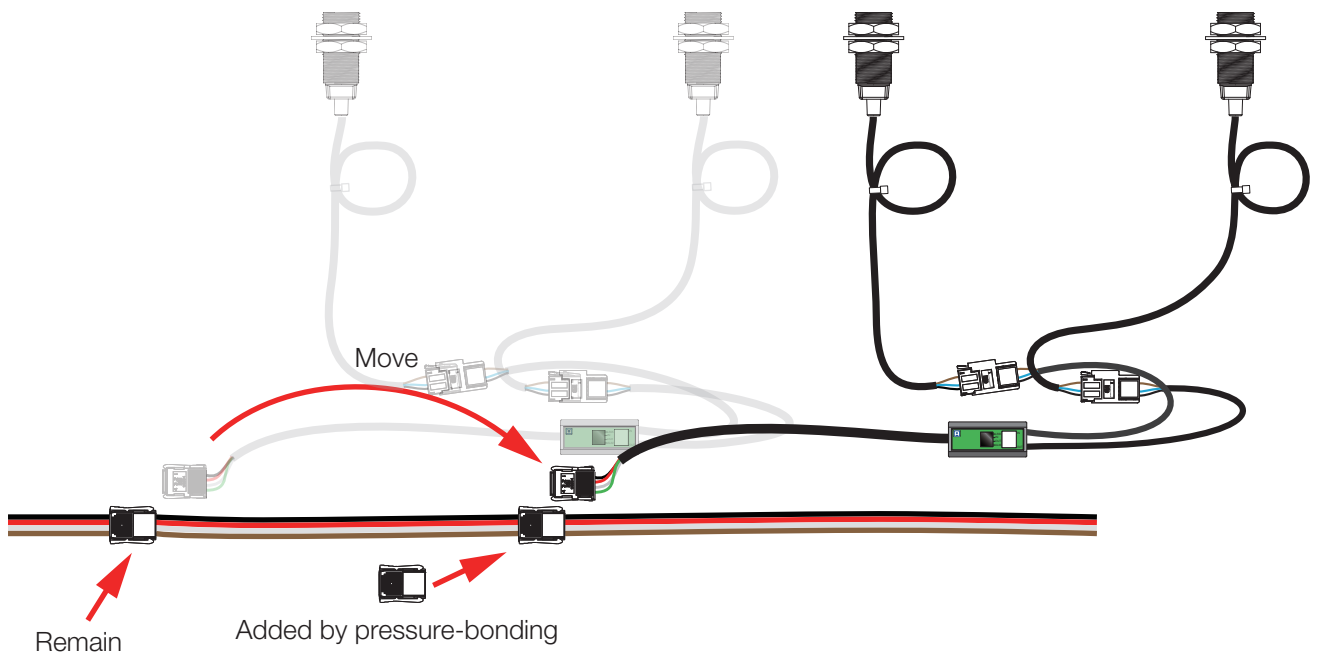


Advantages of ASLINKER

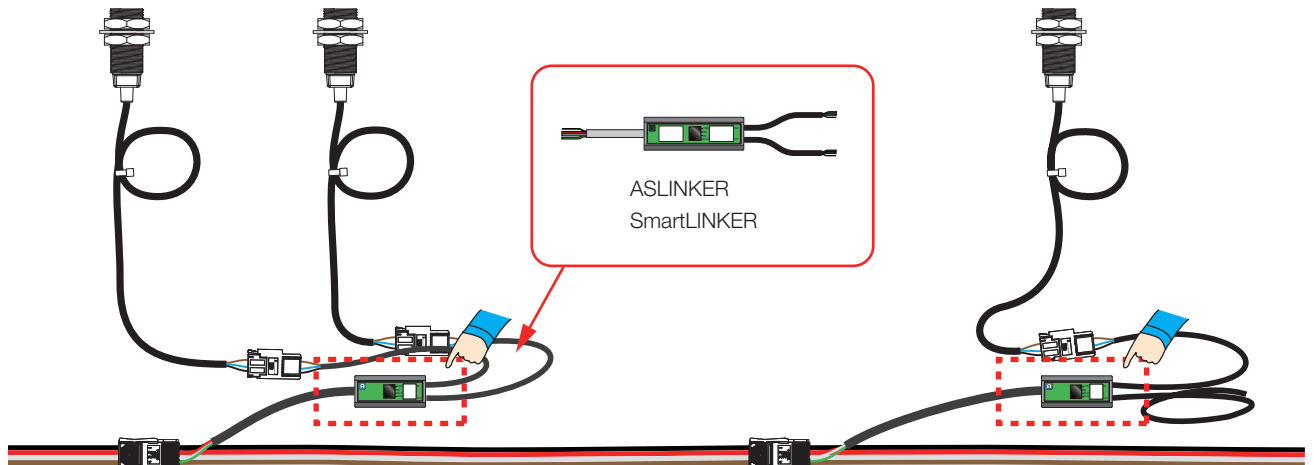
[Case 1] SmartLINKER detects the disconnection of sensor signal cables and short-circuit in the power line and sends a signal to the higher system. Especially, if a short-circuit in the power line was detected, the sensors in the short-circuit system will be isolated to prevent the spread of problem to the power system.



[Case 2] Using a dedicated flat cable and an LP connector makes it easy to move, add, or remove the existing sensors.



[Case 3] If the loads of one to three units were distributed, it is possible to simplify the wiring by bundling the cables with ASLINKER.



3. Connection of ASLINKER

This section explains the cables attached to ASLINKER.

■ Transmission cable connection

- Transmission cable
- An example of applicable LP connector*1

4-wire (insulated) type

Red (DP)
Black (DN)
Green (24V)
White (0V)

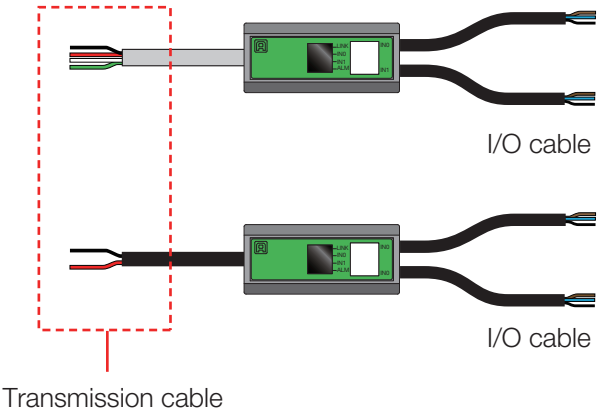
LP4-WW-10P

Description	Pin No.
DN	1
DP	2
0V	3
24V	4

2-wire (non-insulated) type

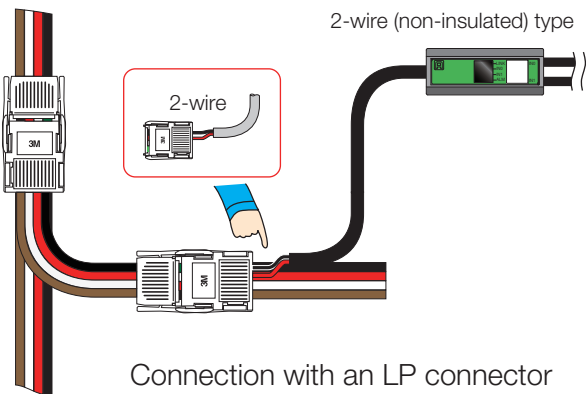
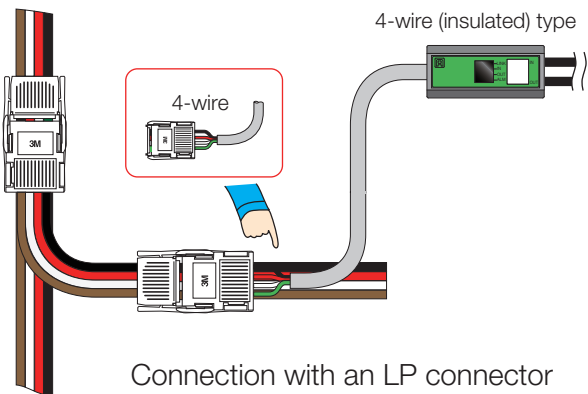
Red (DP)
Black (DN)

Description	Pin No.
DN	1
DP	2
N/C	3
N/C	4

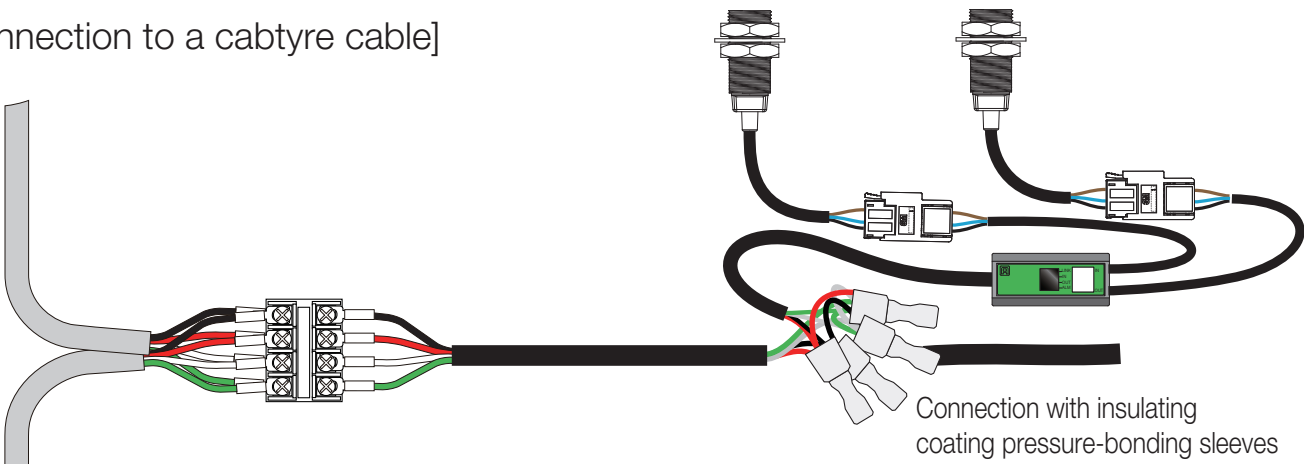


*1: This is a connector that is effective in installing the transmission line using the dedicated flat cable. General-purpose insulation displacement connectors can also be used.

[Connection to the dedicated flat cable]



[Connection to a cabtyre cable]



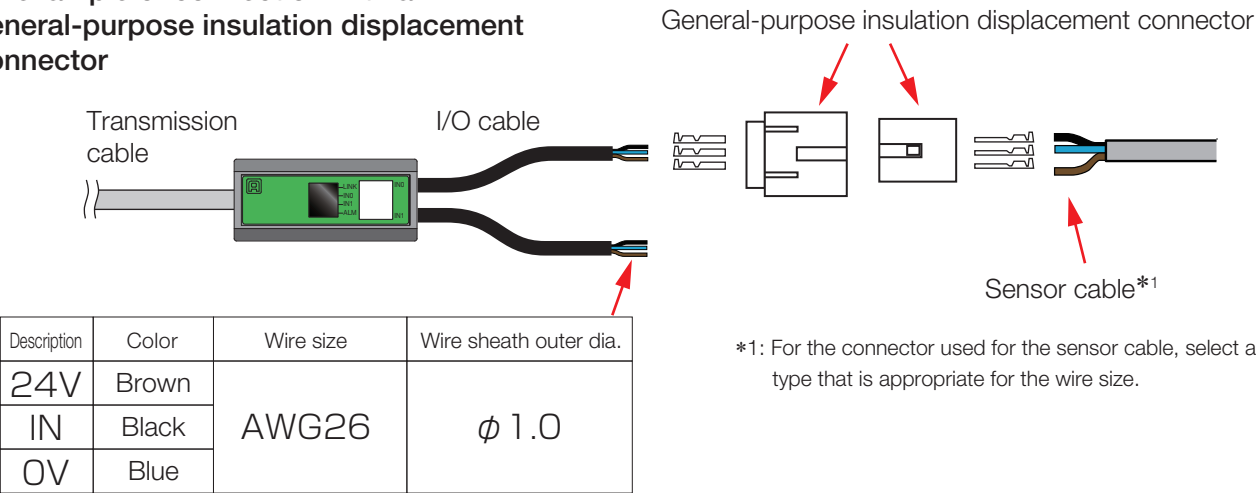
4. Connection of ASLINKER and the Load

ASLINKER I/O cable connection

General-purpose insulation displacement connector

[4-wire (insulated) type]

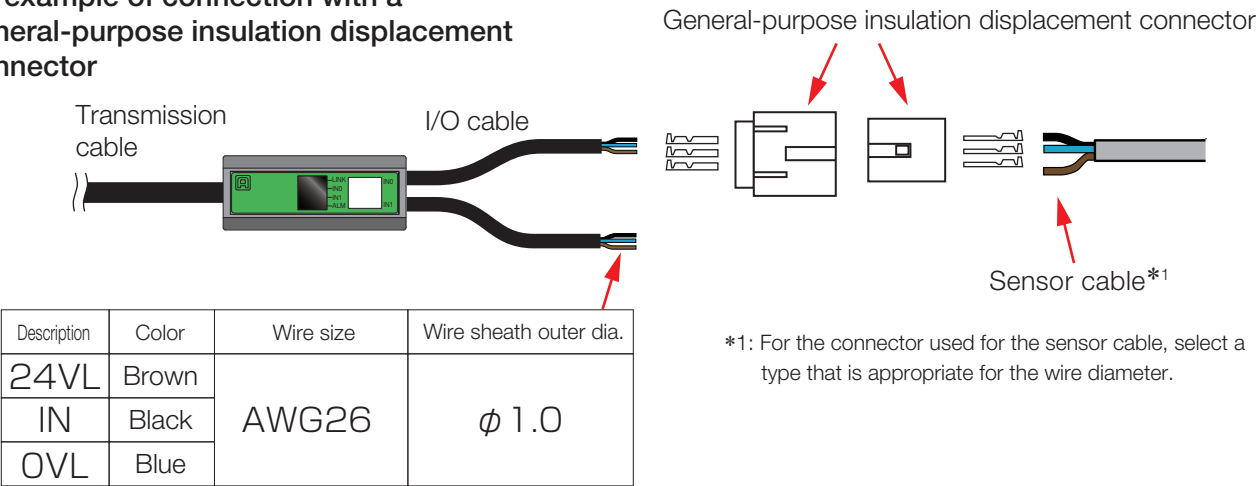
An example of connection with a general-purpose insulation displacement connector



The 24V and OV wires in the I/O cable are connected to the 24V and OV lines in the transmission cable and can be used to drive the load.

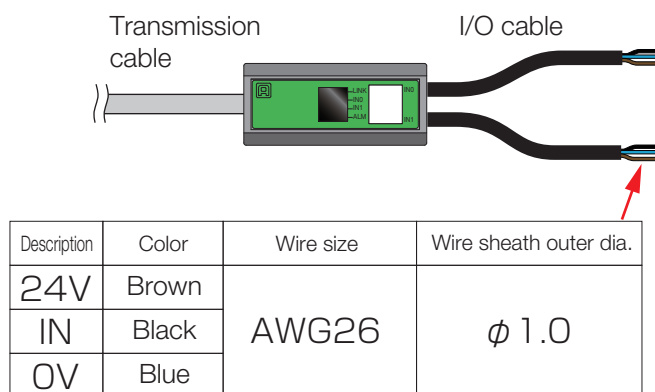
[2-wire (non-insulated) type]

An example of connection with a general-purpose insulation displacement connector



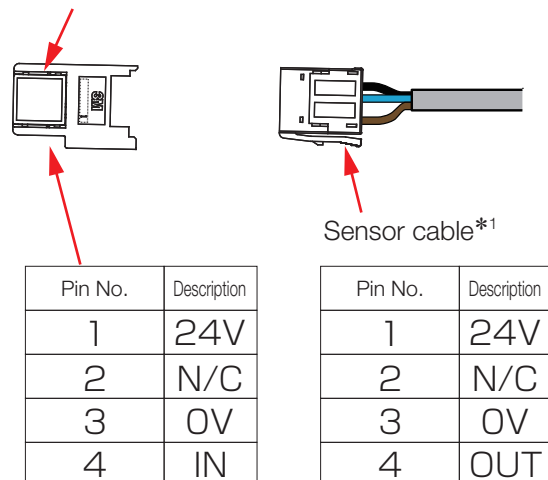
The 24VL and OVL wires in the I/O cable provide a power taken out from the transmission signals DP and DN and can be used to drive the load.

[4-wire (insulated) type]



Examples of applicable e-CON connectors

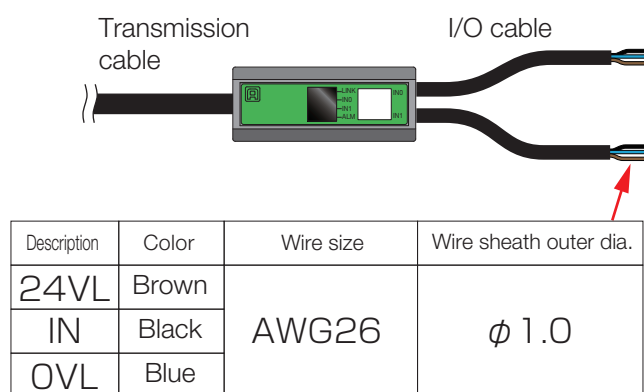
Wire mounting socket, 4-pole (3M Japan Limited)
 37304-3122-000 FL (yellow cover)
 37304-3101-000 FL (red cover)



*1: For the EP connector to be pressure-bonded to the sensor cable, select a type that is appropriate for the wire size.

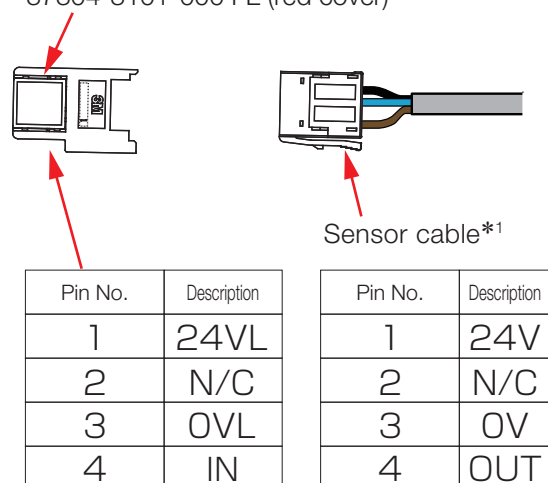
The 24V and OV wires in the I/O cable are connected to the 24V and OV lines in the transmission cable and can be used to drive the load.

[2-wire (non-insulated) type]



Examples of applicable e-CON connectors

Wire mounting socket, 4-pole (3M Japan Limited)
 37304-3122-000 FL (yellow cover)
 37304-3101-000 FL (red cover)



*1: For the EP connector to be pressure-bonded to the sensor cable, select a type that is appropriate for the wire size.

The 24VL and OVL wires in the I/O cable provide a power taken out from the transmission signals DP and DN and can be used to drive the load.

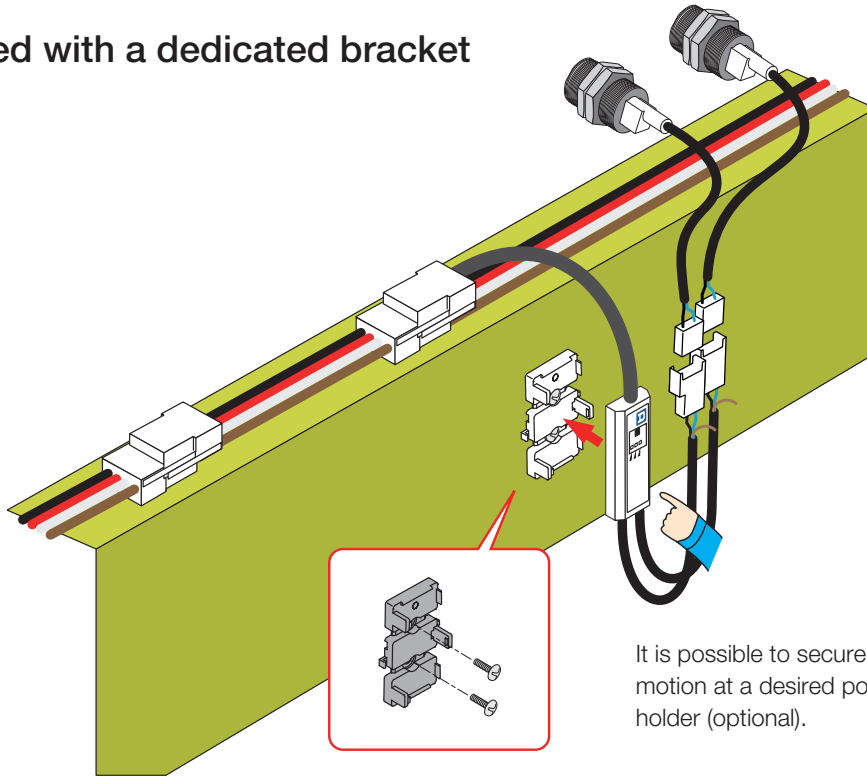
5. Examples of ASLINKER Installation

Bracket

Duct/Rack

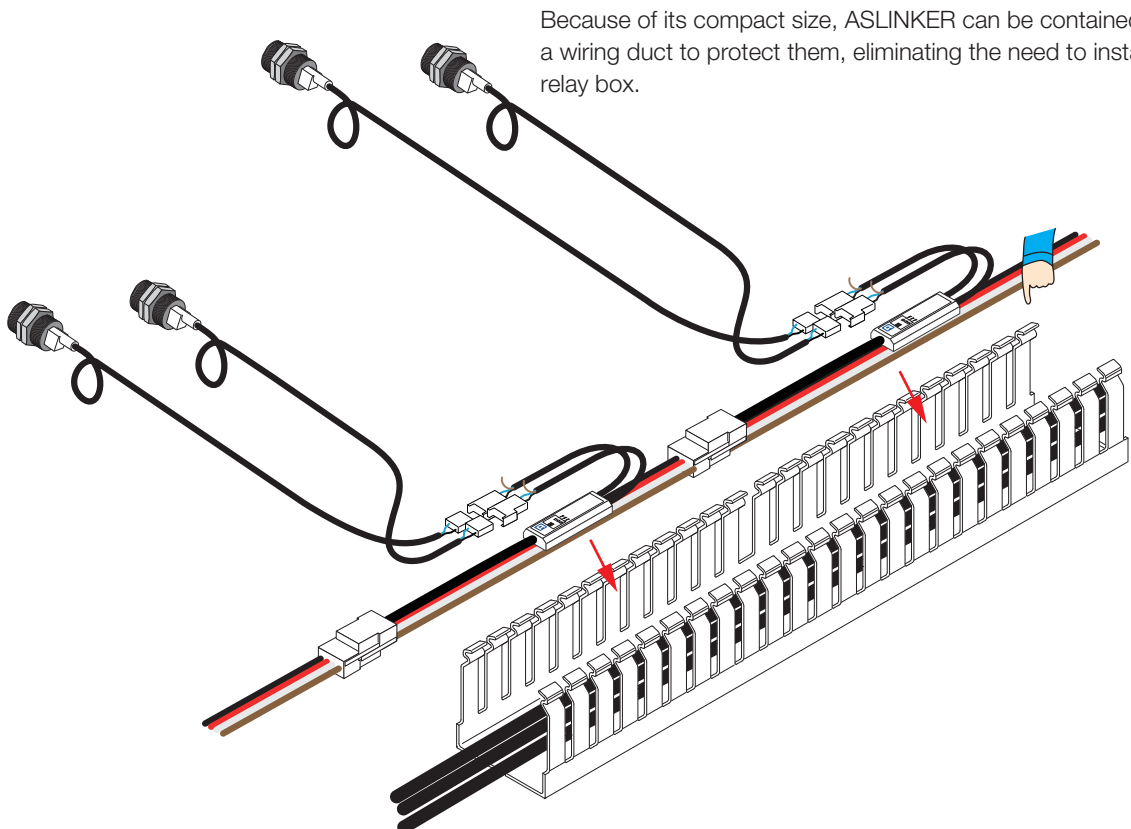
Binding

■ Secured with a dedicated bracket



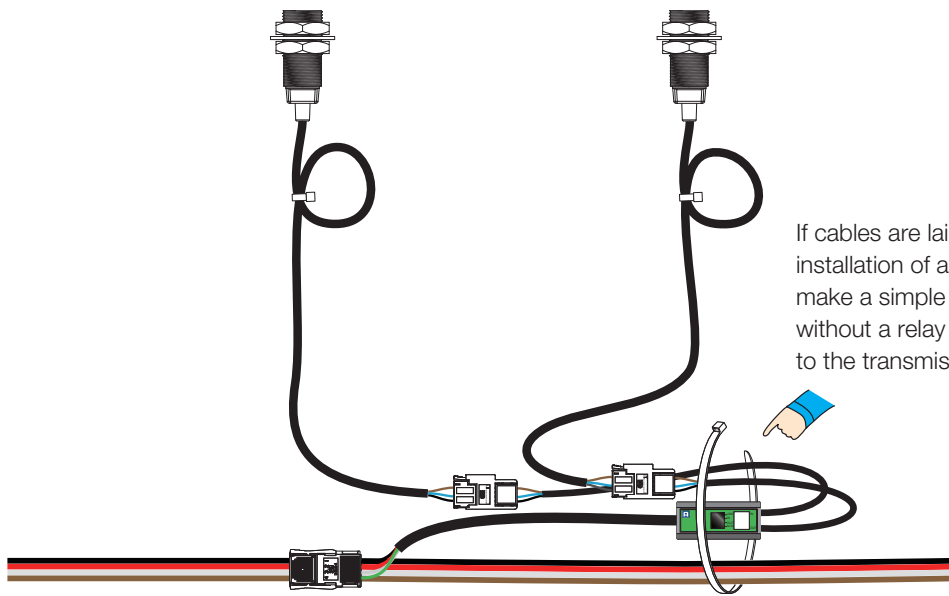
It is possible to secure ASLINKER with a snap-on motion at a desired position using the dedicated holder (optional).

■ Contained in a duct/rack



Because of its compact size, ASLINKER can be contained in a wiring duct to protect them, eliminating the need to install a relay box.

■ Binding with cables



If cables are laid along a frame, like installation of a transfer line, it is possible to make a simple distributed arrangement without a relay box by tying ASLINKER to the transmission line.

[Address]

Anywire Anywire Corporation

Headquarters :1 Babazusho, Nagaokakyo-shi, Kyoto 617-8550 JAPAN

Contact :Contact by mail info_e@anywire.jp
:Contact by website <http://www.anywire.jp>