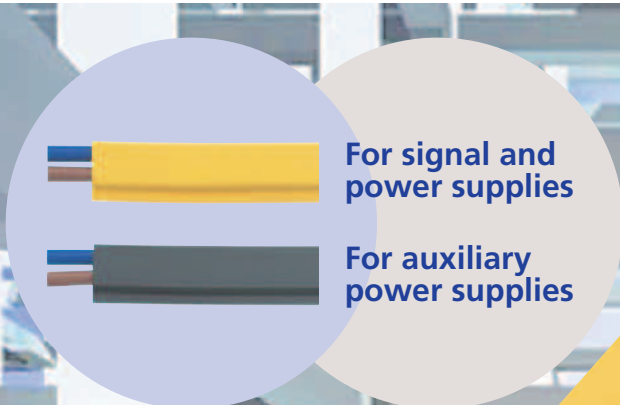


AS-i Cables



ASI Series ASI-YT ASI-BT

AS-i cables from Nihon Electric Wire & Cable are specialized cables used for the AS-Interface bus system, a factory automation network system that is increasingly being installed around the world.



About AS-i

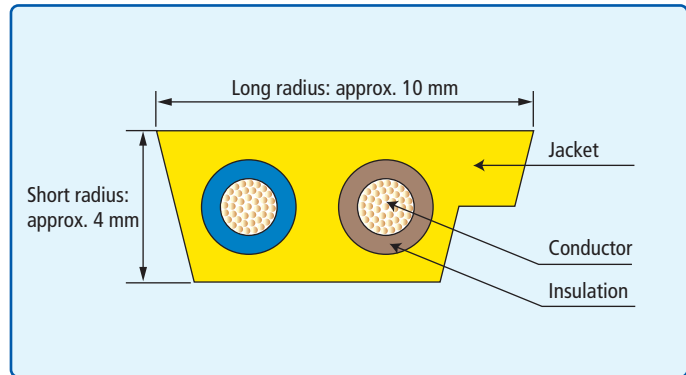
AS-i (Actuator Sensor-Interface) bus system is a dual-wire serial wiring system that transmits signals to I/O modules such as sensors and supplies power simultaneously. It is an open network at the bottom of the hierarchy in various factory automation network systems. Requiring only two-core cables for connection simplifies the control and operator panels and substantially reduces the wiring and checking process, leading to lower wiring costs. In addition, by meeting global standard specifications the selection of connecting devices is extensive.

Applications and Models

We offer the following two product lines, depending on application and jacket color.

Model No.	Application	Jacket	
ASI-YT	Signal, power supply	Yellow	TPE
ASI-BT	Auxiliary power supply	Black	TPE

Cross Section



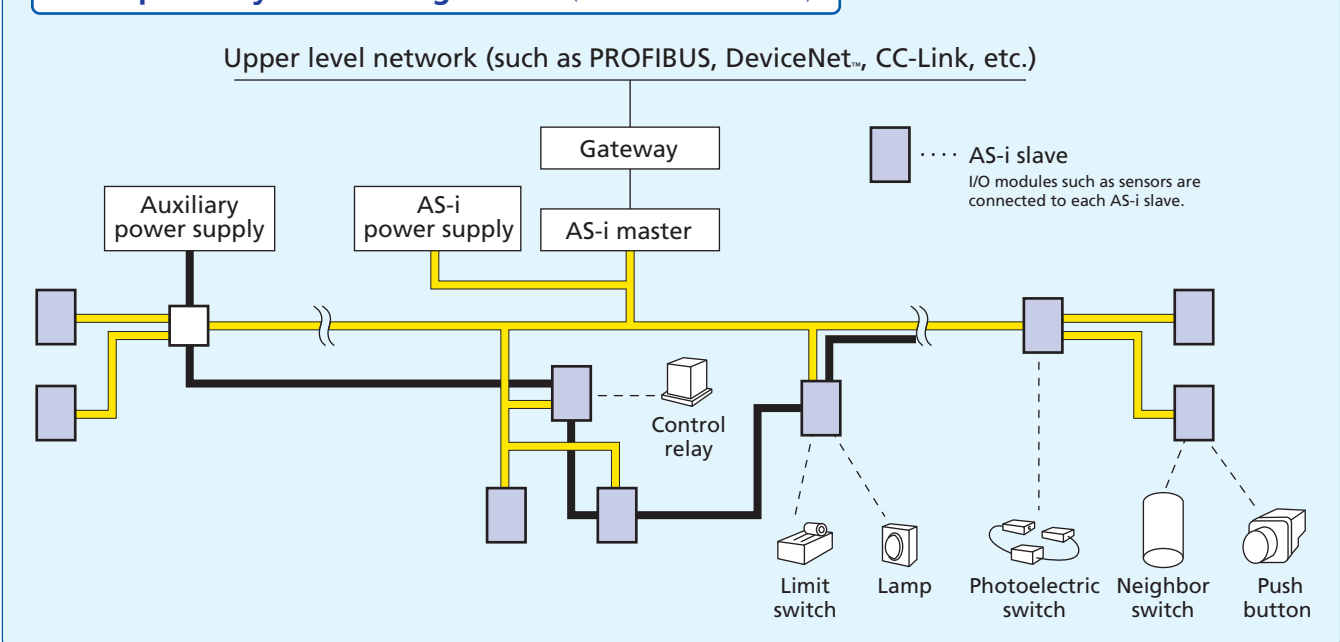
Features

- Superior flexibility makes handling easy.
- Asymmetrical cross section prevents connection errors.
- Insulation and jacket use a lead-free, oil and heat resistant TPE, with excellent flexibility.
- UL and c-UL compliant and, therefore, suitable for use overseas, including North America.

Specifications

Type	ASI-YT	ASI-BT
Conductor size by number of cores	1.5 mm ² (equivalent to 16 AWG) × 2 cores	
Insulation color	Brown (AS-i+), Blue (AS-i-)	Brown (DC 24V+), Blue (0V)
Jacket color and material	Yellow, TPE	Black, TPE
Approximate volume (kg/100m)	6.5	6.5
Minimum bending radius (mm)	12 mm (24 mm) Note: Do not bend in the direction of the long radius. Operating figures provided inside the parentheses.	
Maximum tensile load (kg)	21 kg	

Example of System Configuration (for Tree Connection)



* Specifications subject to change without notice due to product improvements.



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