

Proximity Sensor

# Connector & Relay Cable

INSTRUCTION MANUAL

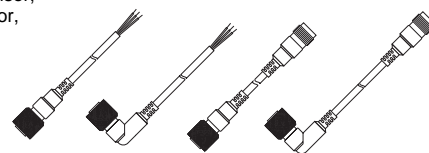
We appreciate you for purchasing HanYoung NUX Co.,Ltd product. Before using the product you have purchased, check to make sure that it is exactly what you ordered. Then, please use it following the instructions below.

## MAIN PRODUCTS

- DIGITAL : Temperature Controller, Counter, Timer, Speedmeter, Tachometer, Panel Meter, Recorder
- SENSOR : Proximity Sensor/Photo Electric Sensor, Rotary Encoder, Optical Fiber Sensor, Pressure Sensor
- ANALOG : Timer, Temperature Controller

## HEAD OFFICE

1381-3, Juan-Dong, Nam-Gu Incheon, Korea  
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## ■ Safety information

Before you use, read safety precautions carefully, and use this product properly. The precautions described in this manual contains important contents related with safety; therefore, please follow the instructions accordingly. The precautions are composed of DANGER, WARNING and CAUTION.

### ⚠ DANGER

Do not touch or contact the input/output terminals because they may cause electric shock.

### ⚠ WARNING

Since this product is not designed as a safely used device the user must install double safety equipment when this product is used for equipment with possible fatal accident or large property damage.

### ⚠ CAUTION

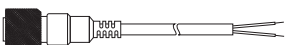
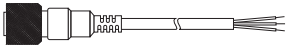

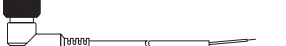

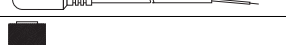
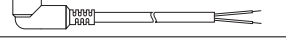
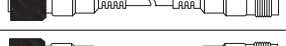
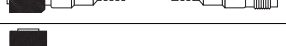
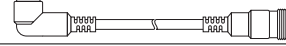
1. Check to make sure that it is exactly what you ordered.
2. Do not use this product at any place with corrosive (especially noxious gas or ammonia) or flammable gas.
3. Do not use this product at any place with liquid, oil, medical substances or steam.
4. When the product gets wet, the inspection is essential because there is danger of an electric leakage or fire.
5. Turn off the power before changing a cable.
6. After checking polarity of terminal, connect wires at the correct position.

7. Use a pressed terminal or do soldering when this product is connected to a equipment.
8. When you connect cables, tighten nuts at the allowable force.
9. Keep the cable away from sharp or heavy materials.
10. Do not tug cords with excessive force.

## ■ Ordering Information

MODEL	Suffix Code	Description
	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Type	A	Connector Cable
	B	Relay Cable
AC/DC	D	DC
	A	AC
Number of wires	4	4 wires
	3	3 wires
	2	2 wires
Shape of connector	S	Streate Type
	A	Angle Type
Length	2	2 m
	5	5 m

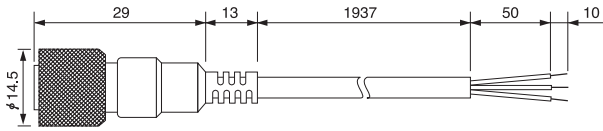
## ■ Specification

APPERANCE	MODEL	STANDARD			CABLE TYPE	
		Length(M)	Power supply	Wires		
	AA2S-2M	2	AC	2	Connector Cable	
	AA2S-5M	5	AC	2		
	AD3S-2M	2	DC	3		
	AD3S-5M	5	DC	3		
	AD2S-2M	2	DC	2		
	AD2S-5M	5	DC	2		
	AA2A-2M	2	AC	2		
	AA2A-5M	5	AC	2		
	AD3A-2M	2	DC	3		
	AD3A-5M	5	DC	3		
	AD2A-2M	2	DC	2		
	AD2A-5M	5	DC	2		
	BA4S-2M	2	AC	4		Relay Cable
	BA4S-5M	5	AC	4		
	BD4S-2M	2	DC	4		
	BD4S-5M	5	DC	4		
	BA4A-2M	2	AC	4		
	BA4A-5M	5	AC	4		
	BD4A-2M	2	DC	4		
	BD4A-5M	5	DC	4		

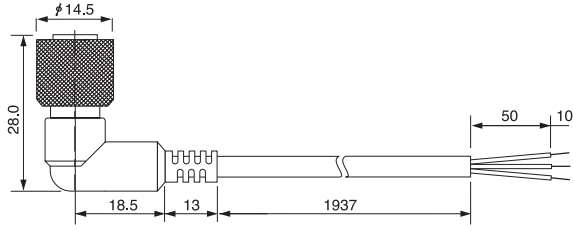
## ■ Dimensions & Wiring (Connector cable)

### ■ Model : AD3S, AD2S, AA2S

Unit: mm



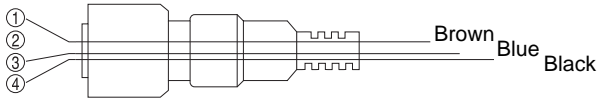
### ■ Model : AD3A, AD2A, AA2A



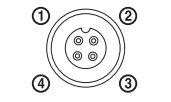
### ■ Wiring (DC 3 wires)



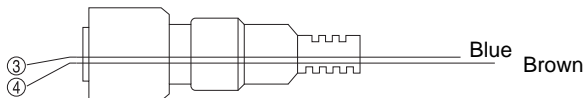
Terminal number



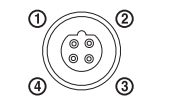
### ■ Wiring (DC 2 wires)



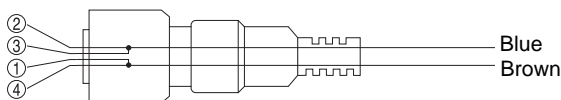
Terminal number



### ■ Wiring (AC Type)



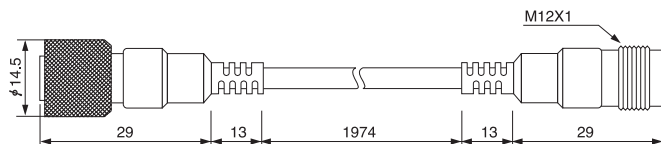
Terminal number



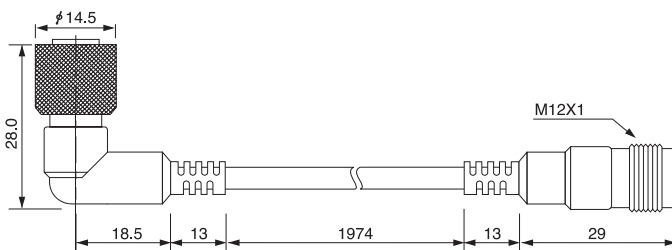
## ■ Dimensions & Wiring (Relay cable)

### ■ Model : BD4S, BA4S

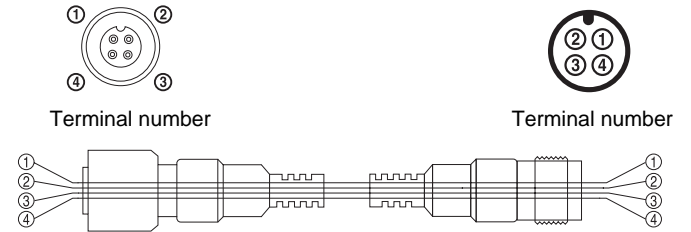
Unit: mm



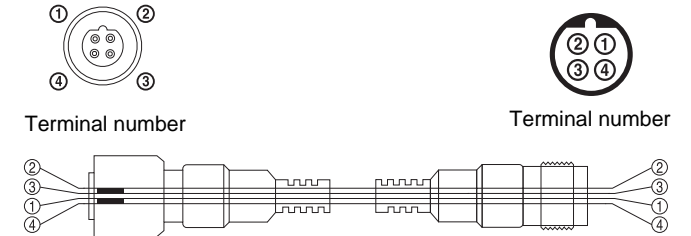
### ■ Model : BD4A, BA4A



## ■ Wiring (DC Type)



## ■ Wiring (AC Type)



※ 2-3, 1-4 단자는 내부에서 단락되어있음.

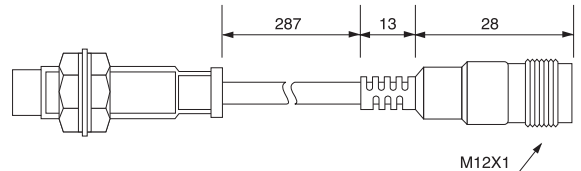
## ■ Dimensions of Connector and Prelead connector type

### ■ Connector type

Unit: mm

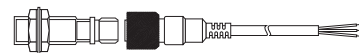


### ■ Pre-lead connector type



## ■ Cable Connection

### ■ Normal connection



<Connector type>

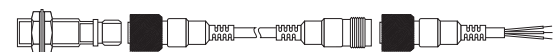


Sensing part

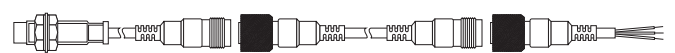
Connector cable

<Pre-lead connector type>

### ■ Using relay connector



<Connector type>



Sensing part

Relay cable

Connector cable

<Pre-lead connector type>