

# Photoelectric/Proximity Sensor Connector Cable

## Ordering information

### Connector cable

<b>C</b>	<b>I</b>	<b>D</b>	<b>2</b>	<b>2</b>	<b>2</b>					
Item	Shape	Power supply	Cable material	Cable wire	Connector dimension	Cable length	Connection	Standard		
									No-mark	Standard type
									I <sup>※1</sup>	IEC standard
									No-mark	Socket type
									P	Plug type
									1	1m
									2	2m
									3	3m
									5	5m
									7	7m
									No-mark	M12
									08	M8
									2	2-wire type
3	3-wire type									
4	4-wire type									
No-mark	General type									
H	Oil resistant cable									
D	DC									
A	AC									
I	Standard type									
L	L type									
C	Connector									

※1: This is IEC standard and it can be customized.

### Connector connection cable

<b>C</b>	<b>1</b>	<b>D</b>	<b>4</b>	<b>2</b>				
Item	Shape	Power supply	Cable material	Number of connector pins	Cable length	Connection type		
							No-mark	Socket-Plug type
							P	Plug-Plug type
							1	1m
							2	2m
							3	3m
							5	5m
							7	7m
							4	4-pin
							No-mark	General type
							H	Oil resistant cable
							D	DC
							A	AC
1	Standard type							
2	L type-L type							
3	Standard type-L type							
4	L type-Standard type							
C	Connector							

(A) Photo electric sensor

(B) Fiber optic sensor

(C) Door/Area sensor

(D) Proximity sensor

(E) Pressure sensor

(F) Rotary encoder

(G) Connector/Socket

(H) Temp. controller

(I) SSR/Power controller

(J) Counter

(K) Timer

(L) Panel meter

(M) Tacho/Speed/Pulse meter

(N) Display unit

(O) Sensor controller

(P) Switching mode power supply

(Q) Stepper motor& Driver&Controller

(R) Graphic/Logic panel

(S) Field network device

(T) Software

(U) Other

# Photoelectric/Proximity Sensor Connector Cable

## ■ Connector cable

### ◎ M12 Connector

Appearance		Model	Length	Cable material
DC 2-wire type	Socket type	CID2-2	2m	PVC
		CID2-2-1 <sup>※1</sup>		
		CID2-5	5m	
	CID2-5-1 <sup>※1</sup>			
	Plug type	CLD2-2	2m	
		CLD2-2-1 <sup>※1</sup>		
CLD2-5		5m		
CLD2-5-1 <sup>※1</sup>				
DC 3-wire type	Socket type	CID3-2	2m	
		CID3-5	5m	
		CLD3-2	2m	
	Plug type	CLD3-5	5m	
		CID3-2P	2m	
		CLD3-2P	2m	
AC 4-wire type	Socket type	CIDH4-2	2m	
		CIDH4-3	3m	
		CIDH4-5	5m	
		CIDH4-7	7m	
		CLDH4-2	2m	
		CLDH4-3	3m	
	Plug type	CLDH4-5	5m	
		CLDH4-7	7m	
		CIDH4-2P	2m	
		CIDH4-3P	3m	
		CIDH4-5P	5m	
		CIDH4-7P	7m	
AC 2-wire type	Socket type	CIA2-2	2m	
		CIA2-5	5m	
		CIAH2-2	2m	
		CIAH2-5	5m	
		CLA2-2	2m	
		CLA2-5	5m	
	Plug type	CLAH2-2	2m	
		CLAH2-5	5m	
		CIA2-2P	2m	
		CIA2-5P	5m	
		CIAH2-2P	2m	
		CIAH2-5P	5m	
		CLA2-2P	2m	
		CLA2-5P	5m	
		CLAH2-2P	2m	
		CLAH2-5P	5m	

※1: This is IEC standard and it can be customized.

※ Be careful of connection, because color is different when DC 4-wire connector cable is used for DC 2-wire sensor.

## ■ Specifications of connector cable

Ø5, 2/3/4-wire, 2m/3m/5m/7m (AWG22, core diameter: 0.08mm, number of cores: 60, insulator out diameter: Ø1.3mm)

For, CIDH4/CLDH4, Ø6, 4-wire, 3m/5m (AWG22, core diameter: 0.08mm, number of cores: 60, insulator out diameter: Ø1.65mm)

## ■ Connector connection cable

### ◎ M12 Connector

Appearance		Model	Length	Cable material	
Socket - Plug type	DC type	C1D4-2	2m	PVC	
		C1D4-5	5m		
		C1DH4-1	1m		
		C1DH4-3	3m		
		C1DH4-5	5m		
		C1DH4-7	7m		
	AC type	C1A4-2	2m		
		C1A4-5	5m		
		DC type	C2D4-2		2m
			C2D4-5		5m
			C2DH4-1		1m
			C2DH4-3		3m
C2DH4-5	5m				
C2DH4-7	7m				
AC type	C2A4-2	2m			
	C2A4-5	5m			
	DC type	C3D4-2	2m		
		C3D4-5	5m		
		C3DH4-1	1m		
		C3DH4-3	3m		
C3DH4-5		5m			
C3DH4-7		7m			
AC type	C3A4-2	2m			
	C3A4-5	5m			
	DC type	C4D4-2	2m		
		C4D4-5	5m		
		C4DH4-1	1m		
		C4DH4-3	3m		
C4DH4-5		5m			
C4DH4-7		7m			
AC type	C4A4-2	2m			
	C4A4-5	5m			
	DC type	C1D4-2P	2m		
		C1D4-5P	5m		
		C1A4-2P	2m		
	AC type	C1A4-5P	5m		

### ◎ M8 Connector(connector connection cable)

Appearance		Model	Length	Cable material
DC 4-wire type	Socket type	CID408-2	2m	PVC
		CID408-5	5m	
	Plug type	CLD408-2	2m	
		CLD408-5	5m	

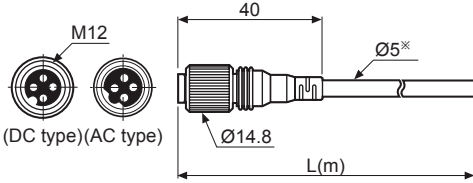
# Photoelectric/Proximity Sensor Connector Cable

## ■ Dimensions

### ◎ Connector cable(Socket type)

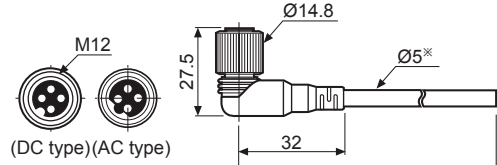
(unit: mm)

- CID2-□, CID2-□-I ● CID3-□ ● CIDH4-□
- CIA2-□, CIAH2-□



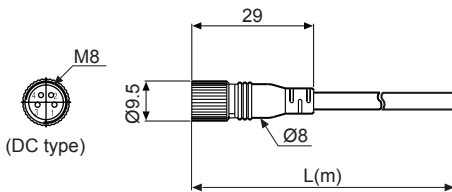
※ Cable diameter of CIDH4-□, CIAH2-□ is Ø6.

- CLD2-□, CLD2-□-I ● CLD3-□ ● CLDH4-□
- CLA2-□, CLAH2-□

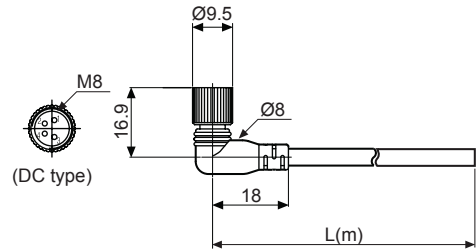


※ Cable diameter of CLDH4-□, CLAH2-□ is Ø6.

- CID408-2, CID408-5



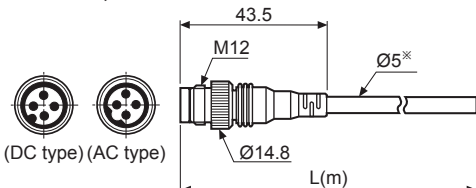
- CLD408-2, CLD408-5



### ◎ Connector cable(Plug type)

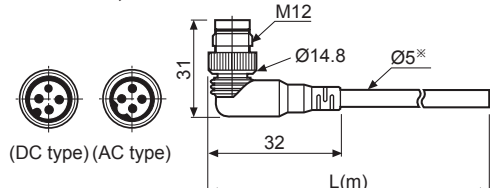
(unit: mm)

- CID2-□P ● CID3-2P ● CIDH4-□P
- CIA2-□P, CIAH2-□P



※ Cable diameter of CIDH4-□P, CIAH2-□P is Ø6.

- CLD2-□P ● CLD3-2P ● CLDH4-□P
- CLA2-□P, CLAH2-□P

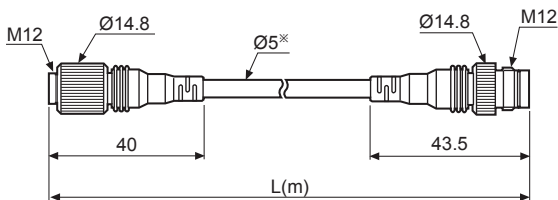


※ Cable diameter of CLDH4-□P, CLAH2-□P is Ø6.

### ◎ Connector connection cable(Socket-Plug type)

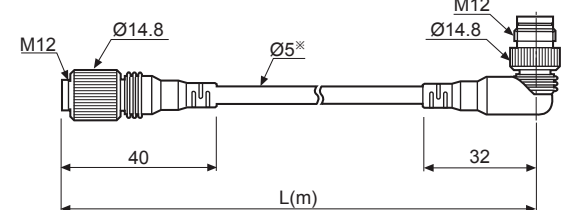
(unit: mm)

- C1□4-□(Standard type)



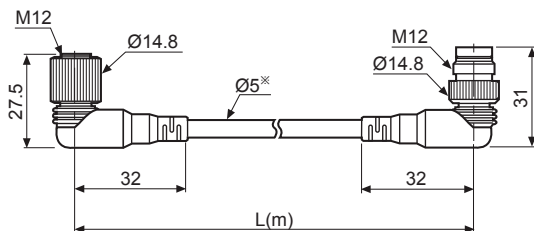
※ Cable diameter of C1DH4-□ is Ø6.

- C3□4-□(Straight type-L type)



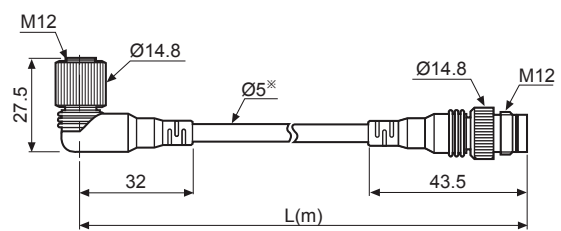
※ Cable diameter of C3DH4-□ is Ø6.

- C2□4-□(L type-L type)



※ Cable diameter of C2DH4-□ is Ø6.

- C4□4-□(L type-Straight type)



※ Cable diameter of C4DH4-□ is Ø6.

(A) Photo electric sensor

(B) Fiber optic sensor

(C) Door/Area sensor

(D) Proximity sensor

(E) Pressure sensor

(F) Rotary encoder

(G) Connector/Socket

(H) Temp. controller

(I) SSR/Power controller

(J) Counter

(K) Timer

(L) Panel meter

(M) Tacho/Speed/Pulse meter

(N) Display unit

(O) Sensor controller

(P) Switching mode power supply

(Q) Stepper motor& Driver&Controller

(R) Graphic/Logic panel

(S) Field network device

(T) Software

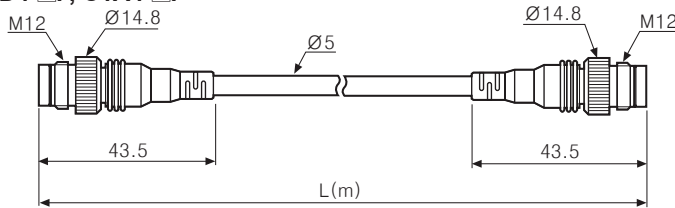
(U) Other

# Photoelectric/Proximity Sensor Connector Cable

## ◎ Connector connection cable(Plug-Plug type)

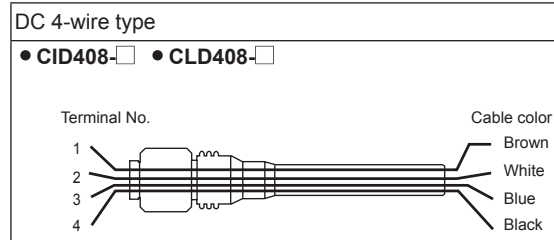
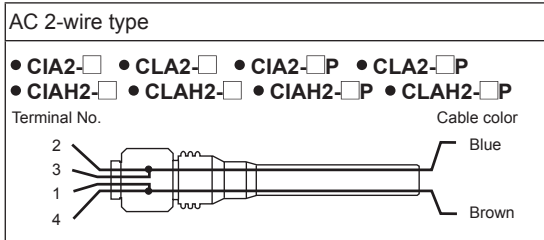
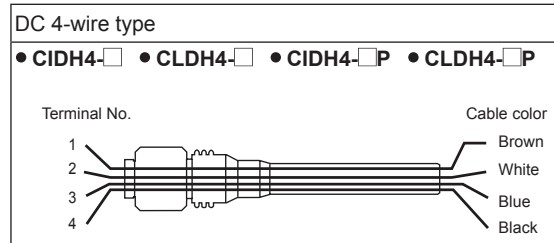
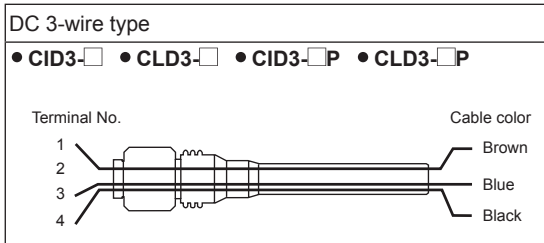
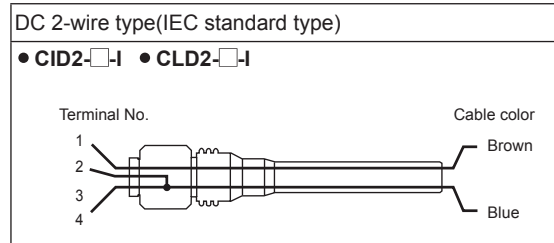
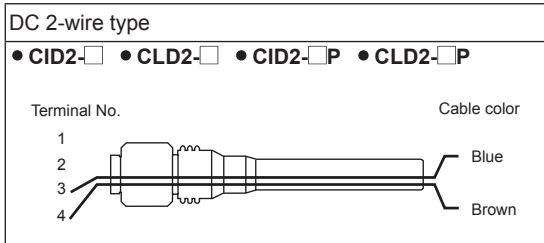
(unit:mm)

### ● C1D4-□P, C1A4-□P

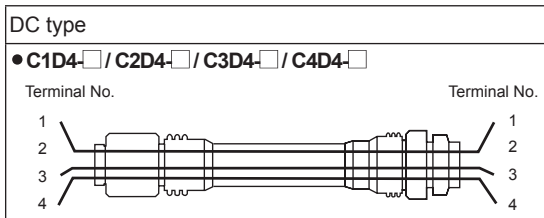


## ■ Connections

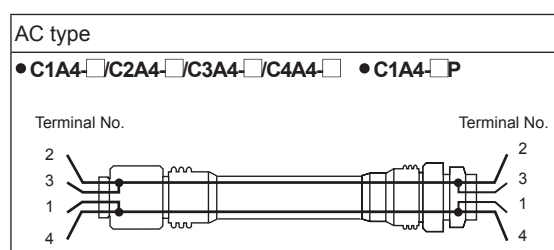
### ◎ Connector cable



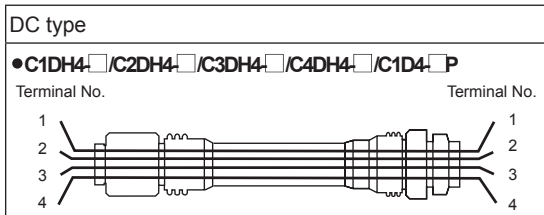
### ◎ Connector connection cable



※ Pin 2 is N-C(Not Connected).



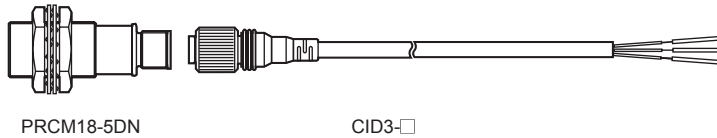
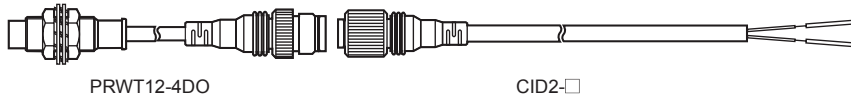
※ Pin 2 / 3, 1 / 4 are connected inside.



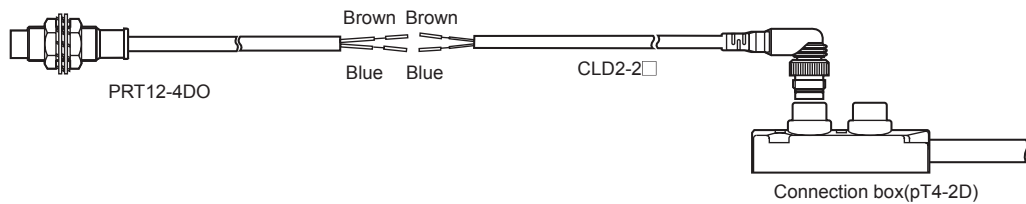
# Photoelectric/Proximity Sensor Connector Cable

## ■ Connector cable connections

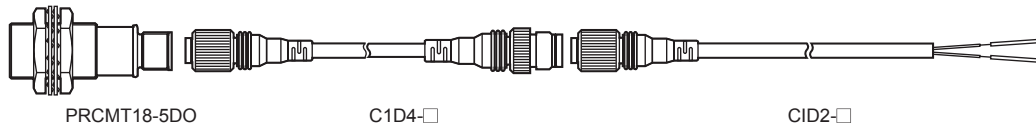
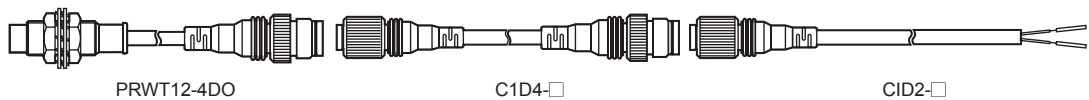
### ● Connector cable(Socket type)



### ● Connector cable(Plug type)



### ● Connector connection cable(Socket-Plug type)



(A)	Photo electric sensor
(B)	Fiber optic sensor
(C)	Door/Area sensor
(D)	Proximity sensor
(E)	Pressure sensor
(F)	Rotary encoder
(G)	Connector/Socket
(H)	Temp. controller
(I)	SSR/ Power controller
(J)	Counter
(K)	Timer
(L)	Panel meter
(M)	Tacho/ Speed/ Pulse meter
(N)	Display unit
(O)	Sensor controller
(P)	Switching mode power supply
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(R)	Graphic/ Logic panel
(S)	Field network device
(T)	Software
(U)	Other