

Photoelectric/Proximity Sensor Connector Cable

Ordering Information

Connector cable

C	I	D	2	2						
Item	Shape	Power supply	Cable material	Cable wire	Connector dimension	Cable length	Connection	Standard		
									No-mark	Standard type
									I ^{※1}	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

C	1	D	4	2					
Item	Shape	Power supply	Cable material	Number of connector pins	Cable length	Connection type	Standard		
								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) Photoelectric Sensors

(B) Fiber Optic Sensors

(C) Door/Area Sensors

(D) Proximity Sensors

(E) Pressure Sensors

(F) Rotary Encoders

(G) Connectors/Sockets

(H) Temperature Controllers

(I) SSRs / Power Controllers

(J) Counters

(K) Timers

(L) Panel Meters

(M) Tacho / Speed / Pulse Meters

(N) Display Units

(O) Sensor Controllers

(P) Switching Mode Power Supplies

(Q) Stepper Motors & Drivers & Controllers

(R) Graphic/Logic Panels

(S) Field Network Devices

(T) Software

(U) Others

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 ^{※1}				
		CID2-5	5m			
		CID2-5-1 ^{※1}				
		Plug type	CLD2-2		2m	
			CLD2-2-1 ^{※1}			
	CLD2-5		5m			
	CLD2-5-1 ^{※1}					
	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			
DC 4-wire type	Socket type	CIDH4-2	2m			
		CIDH4-3	3m			
		CIDH4-5	5m			
		CIDH4-7	7m			
		CLDH4-2	2m			
		CLDH4-3	3m			
		CLDH4-5	5m			
		CLDH4-7	7m			
		Plug type	CIDH4-2P	2m		
			CIDH4-3P	3m		
			CIDH4-5P	5m		
			CIDH4-7P	7m		
	CLDH4-2P		2m			
	CLDH4-3P		3m			
	CLDH4-5P		5m			
	CLDH4-7P		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			
Plug type	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		
DC 2-wire type	Socket type	C1D4-2	2m	PVC		
		C1D4-5	5m			
		C1DH4-1	1m			
		C1DH4-3	3m			
		C1DH4-5	5m			
		C1DH4-7	7m			
		Plug type	C1A4-2		2m	
	C1A4-5		5m			
	DC 3-wire type		Socket type		C2D4-2	2m
					C2D4-5	5m
					C2DH4-1	1m
			Plug type		C2DH4-3	3m
					C2DH4-5	5m
		C2DH4-7			7m	
C2A4-2		2m				
DC 4-wire type	Socket type	C3D4-2	2m			
		C3D4-5	5m			
		C3DH4-1	1m			
		C3DH4-3	3m			
		C3DH4-5	5m			
		C3DH4-7	7m			
		Plug type	C3A4-2	2m		
	C3A4-5		5m			
	DC 5-wire type		Socket type	C4D4-2	2m	
				C4D4-5	5m	
				C4DH4-1	1m	
			Plug type	C4DH4-3	3m	
				C4DH4-5	5m	
		C4DH4-7		7m		
C4A4-2		2m				
DC 6-wire type	Socket type	C1D4-2P	2m			
		C1D4-5P	5m			
		C1A4-2P	2m			
	Plug 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	

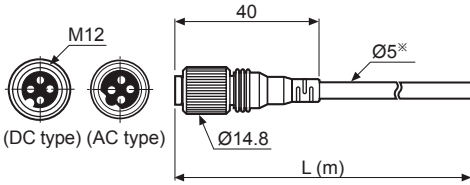
Photoelectric/Proximity Sensor Connector Cable

■ Dimensions

◎ Connector cable (Socket type)

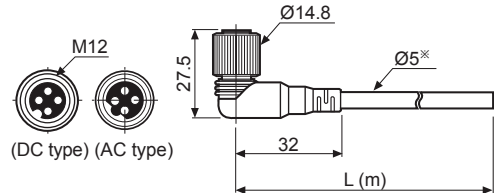
(unit: mm)

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



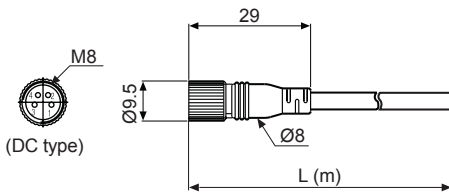
※ Cable diameter of CIDH4-□, CIAH2-□ is Ø6.

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

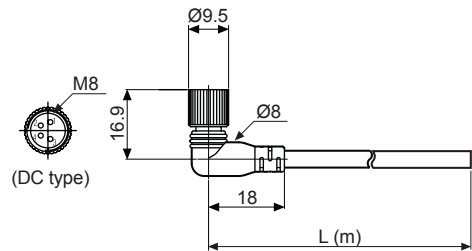


※ Cable diameter of CLDH4-□, CLAH2-□ is Ø6.

- CID408-2, CID408-5



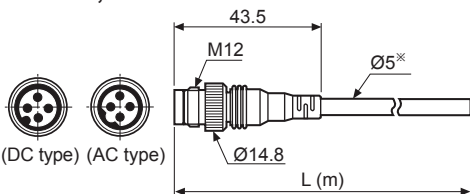
- CLD408-2, CLD408-5



◎ Connector cable (Plug type)

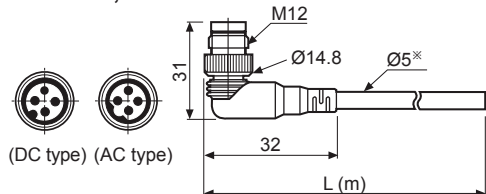
(unit: mm)

- 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

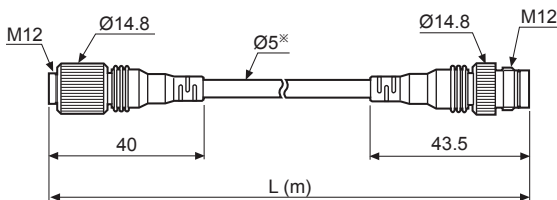


※ Cable diameter of CLDH4-□P, CLAH2-□P is Ø6.

◎ Connector connection cable (Socket-Plug type)

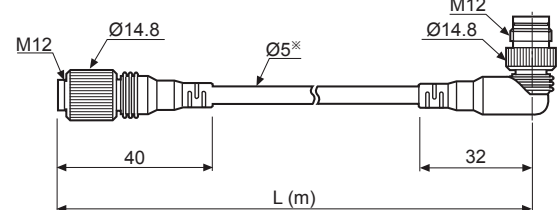
(unit: mm)

- C1□4-□ (Standard type)



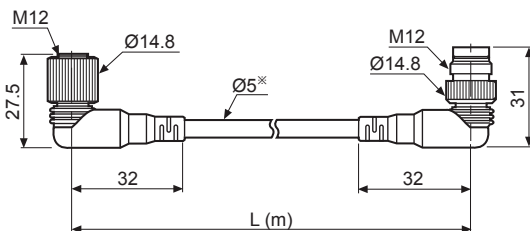
※ Cable diameter of C1DH4-□ is Ø6.

- C3□4-□ (Straight type-L type)



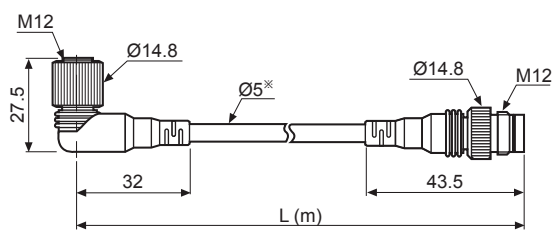
※ Cable diameter of C3DH4-□ is Ø6.

- 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) Photoelectric Sensors

(B) Fiber Optic Sensors

(C) Door/Area Sensors

(D) Proximity Sensors

(E) Pressure Sensors

(F) Rotary Encoders

(G) Connectors/Sockets

(H) Temperature Controllers

(I) SSRs / Power Controllers

(J) Counters

(K) Timers

(L) Panel Meters

(M) Tacho / Speed / Pulse Meters

(N) Display Units

(O) Sensor Controllers

(P) Switching Mode Power Supplies

(Q) Stepper Motors & Drivers & Controllers

(R) Graphic/Logic Panels

(S) Field Network Devices

(T) Software

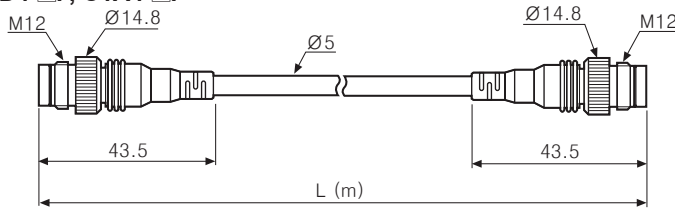
(U) Others

Photoelectric/Proximity Sensor Connector Cable

◎ Connector connection cable (Plug-Plug type)

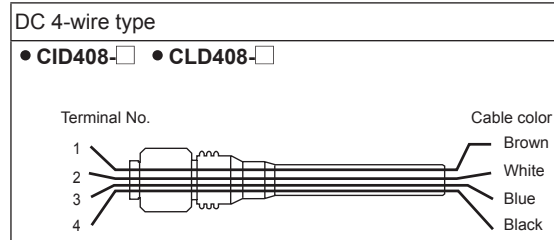
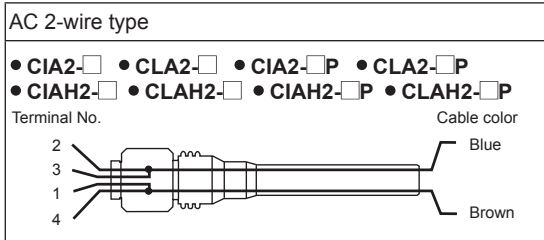
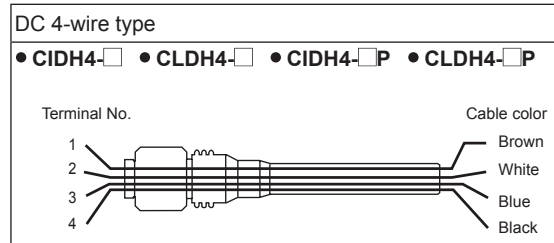
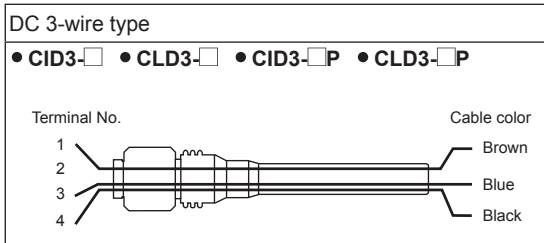
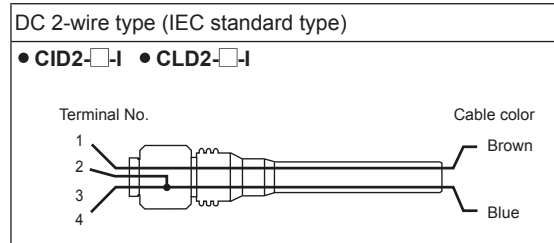
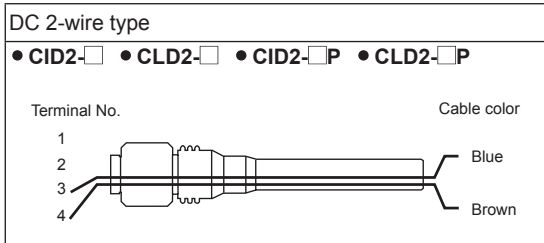
(unit:mm)

● C1D4-□P, C1A4-□P

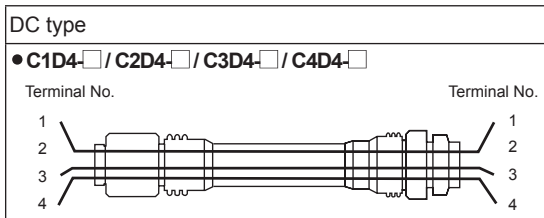


■ Connections

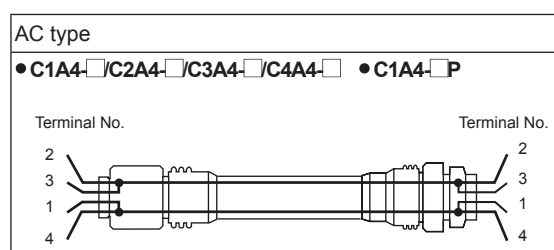
◎ Connector cable



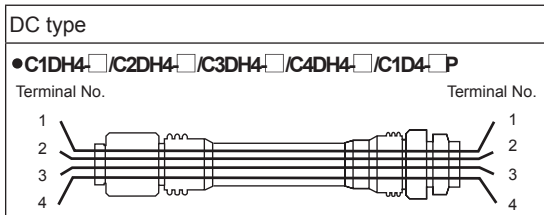
◎ Connector connection cable



※ Pin 2 is N-C (Not Connected).



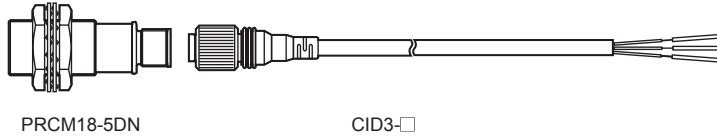
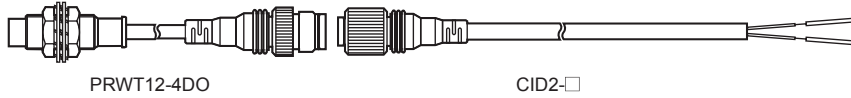
※ Pin 2 / 3, 1 / 4 are connected inside.



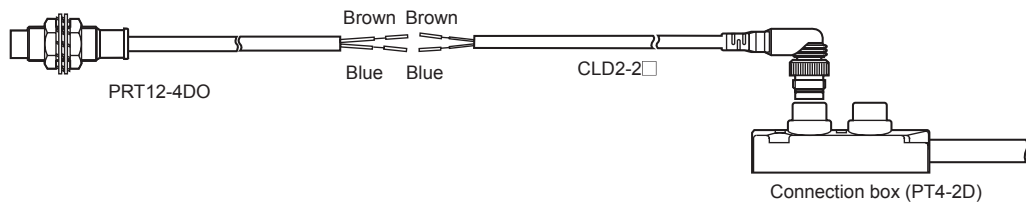
Photoelectric/Proximity Sensor Connector Cable

■ Connector Cable Connections

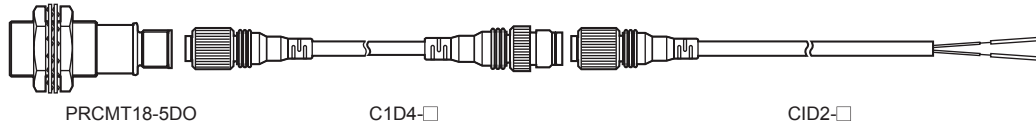
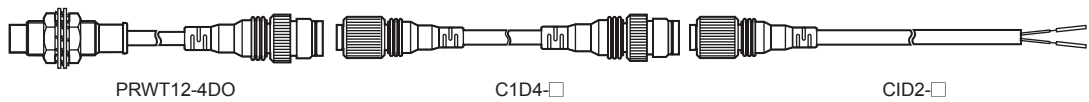
● Connector cable (Socket type)



● Connector cable (Plug type)



● Connector connection cable (Socket-Plug type)



(A) Photoelectric Sensors

(B) Fiber Optic Sensors

(C) Door/Area Sensors

(D) Proximity Sensors

(E) Pressure Sensors

(F) Rotary Encoders

(G) Connectors/Sockets

(H) Temperature Controllers

(I) SSRs / Power Controllers

(J) Counters

(K) Timers

(L) Panel Meters

(M) Tacho / Speed / Pulse Meters

(N) Display Units

(O) Sensor Controllers

(P) Switching Mode Power Supplies

(Q) Stepper Motors & Drivers & Controllers

(R) Graphic/Logic Panels

(S) Field Network Devices

(T) Software

(U) Others