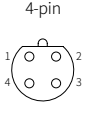
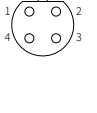
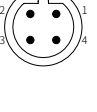
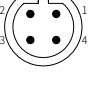


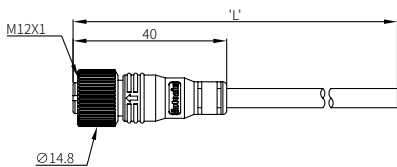
# M8/M12 Connector Cable

M12 Connector 4-Pin																	
Power	Connector 1		Connector 2	Wire spec.	Connection	Length	Feature	Application	Model								
AC	M12 (Socket-Female)		2-wire	AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.3 mm	<table border="1"> <tr> <th>Pin no.</th> <th>Wiring</th> </tr> <tr> <td>1</td> <td rowspan="2">→ Brown</td> </tr> <tr> <td>4</td> </tr> <tr> <td>2</td> <td rowspan="2">→ Blue</td> </tr> <tr> <td>3</td> </tr> </table>	Pin no.	Wiring	1	→ Brown	4	2	→ Blue	3	2 m	PVC	Photoelectric sensors / Proximity sensors / Safety door switches	CIA2-2
						Pin no.	Wiring										
	1					→ Brown											
	4																
	2	→ Blue															
	3																
	5 m	Oil resistant PVC	CIA2-5														
	M12 (Socket-Female), L type		2-wire	AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.3 mm	<table border="1"> <tr> <th>Pin no.</th> <th>Wiring</th> </tr> <tr> <td>1</td> <td rowspan="2">→ Brown</td> </tr> <tr> <td>4</td> </tr> <tr> <td>2</td> <td rowspan="2">→ Blue</td> </tr> <tr> <td>3</td> </tr> </table>	Pin no.	Wiring	1	→ Brown	4	2	→ Blue	3	2 m	PVC		CIAH2-2
						Pin no.	Wiring										
	1					→ Brown											
	4																
	2	→ Blue															
3																	
5 m	Oil resistant PVC	CIAH2-5															
M12 (Plug-Male)		2-wire	AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.3 mm	<table border="1"> <tr> <th>Pin no.</th> <th>Wiring</th> </tr> <tr> <td>1</td> <td rowspan="2">→ Brown</td> </tr> <tr> <td>4</td> </tr> <tr> <td>2</td> <td rowspan="2">→ Blue</td> </tr> <tr> <td>3</td> </tr> </table>	Pin no.	Wiring	1	→ Brown	4	2	→ Blue	3	2 m	PVC	CLA2-2		
					Pin no.	Wiring											
1					→ Brown												
4																	
2	→ Blue																
3																	
5 m	Oil resistant PVC	CLA2-3															
M12 (Plug-Male), L type		2-wire	AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.3 mm	<table border="1"> <tr> <th>Pin no.</th> <th>Wiring</th> </tr> <tr> <td>1</td> <td rowspan="2">→ Brown</td> </tr> <tr> <td>4</td> </tr> <tr> <td>2</td> <td rowspan="2">→ Blue</td> </tr> <tr> <td>3</td> </tr> </table>	Pin no.	Wiring	1	→ Brown	4	2	→ Blue	3	2 m	PVC	CLA2-5		
					Pin no.	Wiring											
1					→ Brown												
4																	
2	→ Blue																
3																	
5 m	Oil resistant PVC	CLA2-2															
									CLAH2-2								
									CLAH2-5								
									CIA2-2P								
									CIA2-5P								
									CIAH2-2P								
									CIAH2-5P								
									CLA2-2P								
									CLA2-5P								
									CLAH2-2P								
									CLAH2-5P								

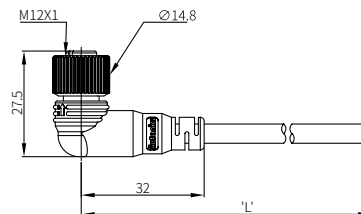
### ■ Dimensions

- Unit: mm, For the detailed drawings, follow the Autonics website.
- Cable thickness is different by cable material. (PVC: Ø 5 mm / Oil resistant PVC: Ø 6 mm)

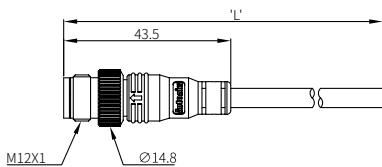
#### • Socket-Female



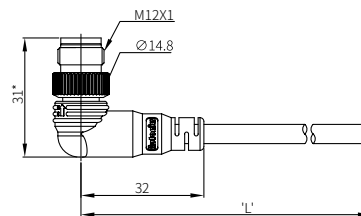
#### • Socket-Female, L type



#### • Plug-Male



#### • Plug-Male, L type



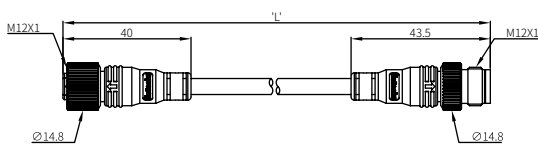
\* Oil resistant PVC Model: 31.3

Power	Connector 1	Connector 2	Connection	Length	Feature	Application	Model										
AC	M12 (Socket-Female)	M12 (Plug-Male)	<table border="1"> <tr> <th>Connector 1 Pin no.</th> <th>Connector 2 Pin no.</th> </tr> <tr> <td>2</td> <td>2</td> </tr> <tr> <td>3</td> <td>3</td> </tr> <tr> <td>1</td> <td>1</td> </tr> <tr> <td>4</td> <td>4</td> </tr> </table> <p>• Pin 2 / 3, 1 / 4 are connected inside.</p>	Connector 1 Pin no.	Connector 2 Pin no.	2	2	3	3	1	1	4	4	2 m	PVC	Photoelectric sensors / Proximity sensors / Safety door switches	C1A4-2
	Connector 1 Pin no.	Connector 2 Pin no.															
	2	2															
	3	3															
	1	1															
	4	4															
	M12 (Socket-Female), L type	4-pin		M12 (Plug-Male), L type	5 m	C1A4-5											
				M12 (Plug-Male), L type	2 m	C2A4-2											
	M12 (Socket-Female)	4-pin		M12 (Plug-Male), L type	5 m	C2A4-5											
	M12 (Socket-Female), L type			M12 (Plug-Male)	2 m	C3A4-2											
M12 (Plug-Male)	4-pin	M12 (Plug-Male)	4-pin	5 m	C3A4-5												
				2 m	C4A4-2												
M12 (Plug-Male)	4-pin	M12 (Plug-Male)	4-pin	5 m	C4A4-5												
				2 m	C1A4-2P												
M12 (Plug-Male)	M12 (Plug-Male)	5 m	C1A4-5P														

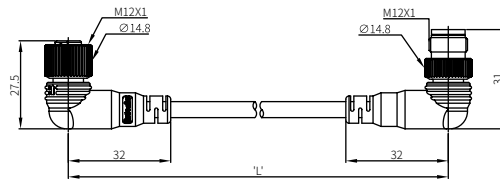
## ■ Dimensions

- Unit: mm, For the detailed drawings, follow the Autonics website.
- Cable thickness is different by cable material. (PVC:  $\varnothing$  5 mm / Oil resistant PVC:  $\varnothing$  6 mm)

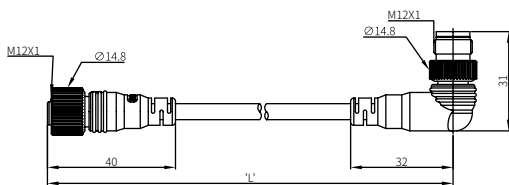
### • Socket-Female : Plug-Male



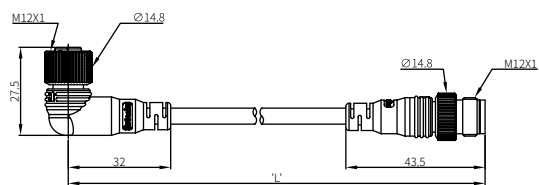
### • Socket-Female, L type : Plug-Male, L type



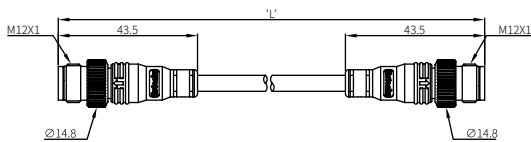
### • Socket-Female : Plug-Male, L type




### • Socket-Female, L type : Plug-Male



### • Plug-Male : Plug-Male



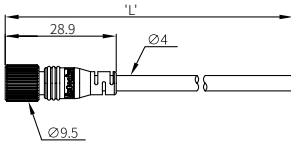
## M8 Connector 4-Pin

Power	Connector 1	Connector 2	Wire spec.	Connection	Length	Feature	Application	Model										
DC	M8 (Socket-Female)	 4-pin 4-wire	AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.65 mm	<table border="1"> <thead> <tr> <th>Pin no.</th> <th>Wiring</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>→ Brown</td> </tr> <tr> <td>2</td> <td>→ White</td> </tr> <tr> <td>3</td> <td>→ Blue</td> </tr> <tr> <td>4</td> <td>→ Black</td> </tr> </tbody> </table>	Pin no.	Wiring	1	→ Brown	2	→ White	3	→ Blue	4	→ Black	2 m	PVC	Photoelectric sensors/ Proximity sensors	CID408-2
					Pin no.	Wiring												
					1	→ Brown												
					2	→ White												
					3	→ Blue												
	4				→ Black													
	5 m				CID408-5													
	2 m				Oil resistant PVC	CIDH408-2												
	5 m					CIDH408-5												
	2 m				PVC	CLD408-2												
5 m	CLD408-5																	
2 m	CLDH408-2																	
5 m	Oil resistant PVC	CLDH408-5																
5 m		CLDH408-5																
	M8 (Socket-Female), L type																	

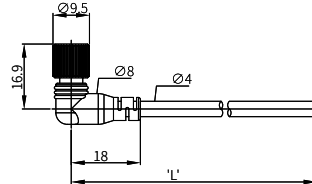
### ■ Dimensions

- Unit: mm, For the detailed drawings, follow the Autonics website.
- Cable thickness is different by cable material. (PVC: Ø 4 mm / Oil resistant PVC: Ø 6 mm)





#### • Socket-Female




#### • Socket-Female, L type



# M12 Connector 4-Pin

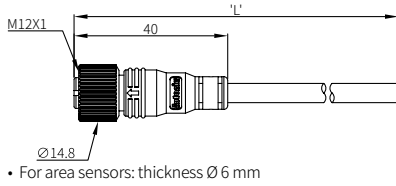
Power	Connector 1	Connector 2	Wire spec.	Connection	Length	Feature	Application	Model										
DC	M12 (Socket-Female)	4-pin 2-wire 	AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.3 mm	<table border="1"> <tr><th>Pin no.</th><th>Wiring</th></tr> <tr><td>1</td><td>_____</td></tr> <tr><td>2</td><td>_____</td></tr> <tr><td>3</td><td>→ Blue</td></tr> <tr><td>4</td><td>→ Brown</td></tr> </table>	Pin no.	Wiring	1	_____	2	_____	3	→ Blue	4	→ Brown	2 m	PVC	Photoelectric sensors/ Proximity sensors / Safety door switches	CID2-2
	Pin no.				Wiring													
	1				_____													
	2				_____													
	3	→ Blue																
	4	→ Brown																
	M12 (Socket-Female), L type	5 m	Oil resistant PVC	CID2-5														
		2 m	PVC	CIDH2-2														
	M12 (Socket-Female), L type	5 m	Oil resistant PVC	CIDH2-5														
		2 m	PVC	CLD2-2														
	M12 (Socket-Female), L type	5 m	Oil resistant PVC	CLD2-5														
		2 m	PVC	CLDH2-2														
	M12 (Socket-Female), L type	5 m	Oil resistant PVC	CLDH2-5														
		2 m	PVC	CID2-2-I														
	M12 (Socket-Female), L type	5 m	Oil resistant PVC	CID2-5-I														
		2 m	PVC	CIDH2-2-I														
	M12 (Socket-Female), L type	5 m	Oil resistant PVC	CIDH2-5-I														
		2 m	PVC	CLD2-2-I														
	M12 (Socket-Female), L type	5 m	Oil resistant PVC	CLD2-5-I														
		2 m	PVC	CLDH2-2-I														
	M12 (Socket-Female), L type	5 m	Oil resistant PVC	CLDH2-5-I														
		2 m	PVC	CID2-2P														
	M12 (Plug-Male)	4-pin 2-wire 	AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.3 mm	<table border="1"> <tr><th>Pin no.</th><th>Wiring</th></tr> <tr><td>1</td><td>_____</td></tr> <tr><td>2</td><td>_____</td></tr> <tr><td>3</td><td>→ Blue</td></tr> <tr><td>4</td><td>→ Brown</td></tr> </table>	Pin no.	Wiring	1	_____	2	_____	3	→ Blue	4	→ Brown	5 m	Oil resistant PVC		CID2-5P
					Pin no.	Wiring												
	1				_____													
	2				_____													
	3	→ Blue																
	4	→ Brown																
	M12 (Plug-Male), L type	2 m	PVC	CIDH2-2P														
		5 m	PVC	CIDH2-5P														
	M12 (Plug-Male), L type	2 m	Oil resistant PVC	CLD2-2P														
		5 m	Oil resistant PVC	CLD2-5P														
	M12 (Plug-Male), L type	2 m	Oil resistant PVC	CLDH2-2P														
		5 m	Oil resistant PVC	CLDH2-5P														
	M12 (Socket-Female)	4-pin 3-wire 	AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.3 mm	<table border="1"> <tr><th>Pin no.</th><th>Wiring</th></tr> <tr><td>1</td><td>→ Brown</td></tr> <tr><td>2</td><td>_____</td></tr> <tr><td>3</td><td>→ Blue</td></tr> <tr><td>4</td><td>→ Black</td></tr> </table>	Pin no.	Wiring	1	→ Brown	2	_____	3	→ Blue	4	→ Black	2 m	PVC		CID3-2
					Pin no.	Wiring												
	1				→ Brown													
	2				_____													
	3	→ Blue																
	4	→ Black																
	M12 (Socket-Female), L type	5 m	Oil resistant PVC	CID3-5														
		2 m	PVC	CIDH3-2														
	M12 (Socket-Female), L type	5 m	PVC	CIDH3-5														
		2 m	PVC	CLD3-2														
	M12 (Socket-Female), L type	5 m	Oil resistant PVC	CLD3-5														
		2 m	Oil resistant PVC	CLDH3-2														
	M12 (Socket-Female), L type	5 m	Oil resistant PVC	CLDH3-5														
		2 m	PVC	CID3-2P														
M12 (Socket-Female), L type	5 m	PVC	CID3-5P															
	2 m	Oil resistant PVC	CIDH3-2P															
M12 (Socket-Female), L type	5 m	Oil resistant PVC	CIDH3-5P															
	2 m	PVC	CLD3-2P															
M12 (Socket-Female), L type	5 m	PVC	CLD3-5P															
	2 m	Oil resistant PVC	CLDH3-2P															
M12 (Socket-Female), L type	5 m	Oil resistant PVC	CLDH3-5P															
	2 m	Oil resistant PVC	CIDH4-2															
M12 (Socket-Female)	4-pin 4-wire 	AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.65 mm	<table border="1"> <tr><th>Pin no.</th><th>Wiring</th></tr> <tr><td>1</td><td>→ Brown</td></tr> <tr><td>2</td><td>→ White</td></tr> <tr><td>3</td><td>→ Blue</td></tr> <tr><td>4</td><td>→ Black</td></tr> </table>	Pin no.	Wiring	1	→ Brown	2	→ White	3	→ Blue	4	→ Black	3 m	Oil resistant PVC	CIDH4-3		
				Pin no.	Wiring													
1				→ Brown														
2				→ White														
3	→ Blue																	
4	→ Black																	
M12 (Socket-Female), L type	5 m	Oil resistant PVC	CIDH4-5															
	7 m	Oil resistant PVC	CIDH4-7															
M12 (Socket-Female), L type	2 m	Oil resistant PVC	CIDH4-2-A															
	3 m	Oil resistant PVC	CIDH4-3-A															
M12 (Socket-Female), L type	5 m	Oil resistant PVC	CIDH4-5-A															
	7 m	Oil resistant PVC	CIDH4-7-A															
M12 (Socket-Female), L type	2 m	Oil resistant PVC	CLDH4-2															
	3 m	Oil resistant PVC	CLDH4-3															
M12 (Socket-Female), L type	5 m	Oil resistant PVC	CLDH4-5															
	7 m	Oil resistant PVC	CLDH4-7															
M12 (Socket-Female), L type	2 m	Oil resistant PVC	CLDH4-2-A															
	3 m	Oil resistant PVC	CLDH4-3-A															
M12 (Socket-Female), L type	5 m	Oil resistant PVC	CLDH4-5-A															
	7 m	Oil resistant PVC	CLDH4-7-A															
M12 (Socket-Female), L type	2 m	Oil resistant PVC	CIDH4-2P															
	3 m	Oil resistant PVC	CIDH4-3P															
M12 (Socket-Female), L type	5 m	Oil resistant PVC	CIDH4-5P															
	7 m	Oil resistant PVC	CIDH4-7P															
M12 (Socket-Female), L type	2 m	Oil resistant PVC	CLDH4-2P															
	3 m	Oil resistant PVC	CLDH4-3P															
M12 (Socket-Female), L type	5 m	Oil resistant PVC	CLDH4-5P															
	7 m	Oil resistant PVC	CLDH4-7P															

Power	Connector 1	Connector 2	Wire spec.	Connection	Length	Feature	Application	Model											
DC	M12 (Socket-Female)	 4-pin	4-wire	AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.25 mm	<table border="1"> <thead> <tr> <th>Pin no.</th> <th>Wiring</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>→ Brown</td> </tr> <tr> <td>2</td> <td>→ White</td> </tr> <tr> <td>3</td> <td>→ Blue</td> </tr> <tr> <td>4</td> <td>→ Black</td> </tr> </tbody> </table>	Pin no.	Wiring	1	→ Brown	2	→ White	3	→ Blue	4	→ Black	3 m	Black (transmitter) Gray (receiver)	Area sensors BW Series / BWC Series	CID4-3T CID4-3R
						Pin no.	Wiring												
						1	→ Brown												
						2	→ White												
						3	→ Blue												
						4	→ Black												
						5 m	Black (transmitter) Gray (receiver)	CID4-5T CID4-5R											
						7 m	Black (transmitter) Gray (receiver)	CID4-7T CID4-7R											
10 m	Black (transmitter) Gray (receiver)	CID4-10T CID4-10R																	
15 m	Black (transmitter) Gray (receiver)	CID4-15T CID4-15R																	

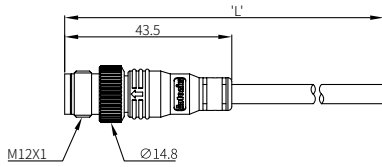
**■ Dimensions**

- Unit: mm, For the detailed drawings, follow the Autonics website.
- Cable thickness is different by cable material. (PVC: Ø 5 mm / Oil resistant PVC: Ø 6 mm)

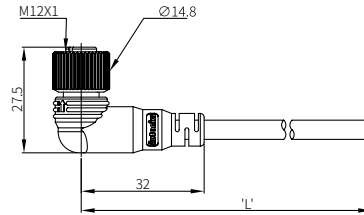
**• Socket-Female**



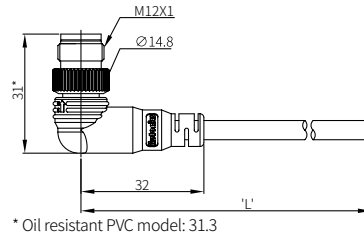
**• Plug-Male**





**• Socket-Female, L type**



**• Plug-Male, L type**

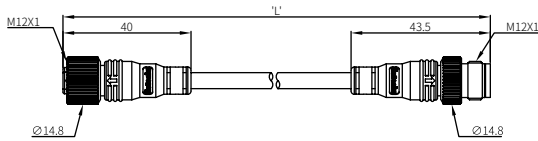


Power	Connector 1	Connector 2	Connection	Length	Feature	Application	Model		
DC	M12 (Socket-Female)	M12 (Plug-Male) 4-pin 	M12 (Plug-Male) 4-pin 	Connector 1 Pin no.	Connector 2 Pin no.	2 m	PVC	C1D4-2	
	M12 (Socket-Female), L type			M12 (Plug-Male), L type	1 → 1	5 m		C1D4-5	
	M12 (Socket-Female)			M12 (Plug-Male), L type	2 →	2 m		C2D4-2	
	M12 (Socket-Female), L type			M12 (Plug-Male)	3 → 3	5 m		C2D4-5	
				4 → 4	2 m	C3D4-2			
					5 m	C3D4-5			
					2 m	C4D4-2			
					5 m	C4D4-5			
					1 m	C1DH4-1			
					3 m	C1DH4-3			
					5 m	C1DH4-5			
					7 m	C1DH4-7			
					1 m	C2DH4-1			
					3 m	C2DH4-3			
					5 m	C2DH4-5			
					7 m	C2DH4-7			
					1 m	C3DH4-1			
					3 m	C3DH4-3			
					5 m	C3DH4-5			
					7 m	C3DH4-7			
				1 m	C4DH4-1				
				3 m	C4DH4-3				
				5 m	C4DH4-5				
				7 m	C4DH4-7				
	M12 (Plug-Male)	M12 (Plug-Male)	M12 (Plug-Male)	M12 (Plug-Male)					
					Connector 1 Pin no.	Connector 2 Pin no.	PVC		
					1 → 1	1		2 m	C1D4-2P
					2 → 2	2		5 m	
					3 → 3	3			C1D4-5P
					4 → 4	4			

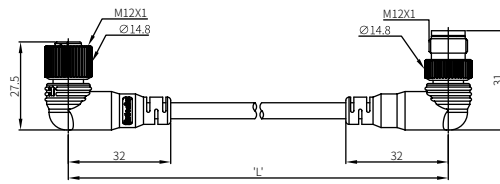
### ■ Dimensions

- Unit: mm, For the detailed drawings, follow the Autonics website.
- Cable thickness is different by cable material. (PVC: Ø 5 mm / Oil resistant PVC: Ø 6 mm)

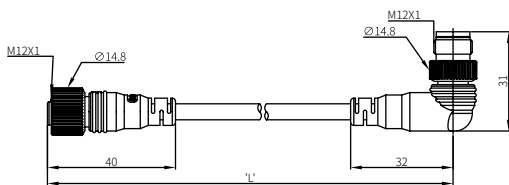
#### • Socket-Female : Plug-Male



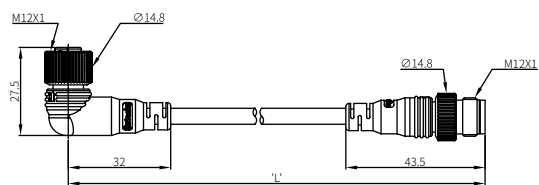
#### • Socket-Female, L type : Plug-Male, L type



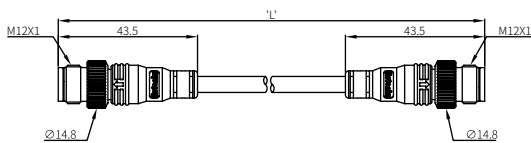
#### • Socket-Female : Plug-Male, L type



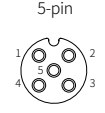
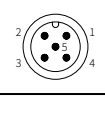
#### • Socket-Female, L type : Plug-Male



#### • Plug-Male : Plug-Male



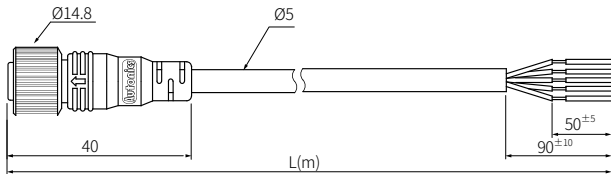
## M12 Connector 5-Pin

Power	Connector 1		Connector 2	Wire spec.	Connection	Length	Feature	Application	Model												
DC	M12 (Socket-Female)		5-wire	AWG 26 (0.08 mm, 28-core), Insulator diameter: Ø0.74 mm	<table border="1"> <thead> <tr> <th>Pin no.</th> <th>Wiring</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>→ Brown</td> </tr> <tr> <td>2</td> <td>→ White</td> </tr> <tr> <td>3</td> <td>→ Blue</td> </tr> <tr> <td>4</td> <td>→ Black</td> </tr> <tr> <td>5</td> <td>→ Yellow</td> </tr> </tbody> </table>	Pin no.	Wiring	1	→ Brown	2	→ White	3	→ Blue	4	→ Black	5	→ Yellow	1 m	PVC	Safety non-contact door switches	CID5-1
						Pin no.	Wiring														
						1	→ Brown														
						2	→ White														
						3	→ Blue														
						4	→ Black														
						5	→ Yellow														
	2 m	CID5-2																			
	3 m	CID5-3																			
	5 m	CID5-5																			
	7 m	CID5-7																			
	M12 (Plug-Male)		1 m	CID5-1P																	
			2 m	CID5-2P																	
			3 m	CID5-3P																	
5 m			CID5-5P																		
7 m			CID5-7P																		

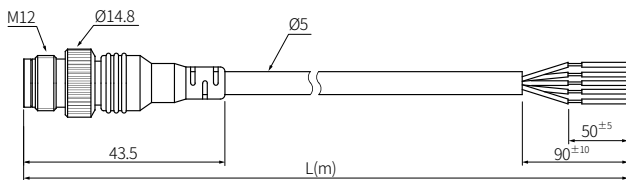
### ■ Dimensions

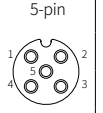
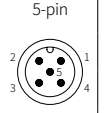
- Unit: mm, For the detailed drawings, follow the Autonics website.

#### • Socket-Female



#### • Plug-Male

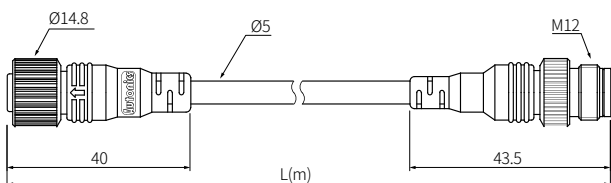


Power	Connector 1	Connector 2	Connection	Length	Feature	Application	Model	
DC	M12 (Socket-Female)		M12 (Plug-Male)		1 m	PVC	Safety non-contact door switches	CID5-1
					2 m			CID5-2
					3 m			CID5-3
					5 m			CID5-5
					7 m			CID5-7

### ■ Dimensions

- Unit: mm, For the detailed drawings, follow the Autonics website.

#### • Socket-Female : Plug-Male



## M12 Connector 8-Pin

Power	Connector 1	Connector 2	Wire spec.	Connection	Length	Feature	Application	Model	Specification
DC	M12 (Socket-Female)	8-pin	AWG 24 (0.1 mm, 32-core), Insulator diameter: Ø1.17 mm	Pin no. → Color	2 m	Drag chain type	Smart cameras <sup>01)</sup>	CIDM8-2-A	1522901/PUR/2.0-Phoenixcontact
				1 → White					
				2 → Brown					
				3 → Green					
				4 → Yellow					
				5 → Gray					
				6 → Pink					
				7 → Blue					
	8 → Red								
	M12 (Socket-Female), L type	8-wire	AWG 24 (0.1 mm, 32-core), Insulator diameter: Ø1.17 mm	Pin no. → Color	5 m	CIDM8-5-A	1522888-Phoenixcontact		
				1 → White					
	M12 (Socket-Female)	8-pin	AWG 24 (0.1 mm, 32-core), Insulator diameter: Ø1.17 mm	Pin no. → Color	3 m	Transmitter	Safety light curtains <sup>02)</sup>	CID8-3T	Material PUR / PVC
				1 → Blue					
				2 → Orange					
3 → Yellow									
4 → Red									
5 → Pink									
6 → Black									
7 → White									
8 → Brown									
M12 (Socket-Female), L type	8-wire	AWG 24 (0.1 mm, 32-core), Insulator diameter: Ø1.17 mm	Pin no. → Color	5 m	Receiver	CID8-3R	CID8-5T		
			1 → Blue						
M12 (Socket-Female)	8-wire	AWG 24 (0.1 mm, 32-core), Insulator diameter: Ø1.17 mm	Pin no. → Color	7 m	Transmitter	CID8-5R	CID8-7T		
			1 → Blue						
M12 (Socket-Female), L type	8-wire	AWG 24 (0.1 mm, 32-core), Insulator diameter: Ø1.17 mm	Pin no. → Color	10 m	Receiver	CID8-7R	CID8-10T		
			1 → Blue						
M12 (Socket-Female)	8-wire	AWG 24 (0.1 mm, 32-core), Insulator diameter: Ø1.17 mm	Pin no. → Color	10 m	Receiver	CID8-10R	CID8-10R		
			1 → Blue						

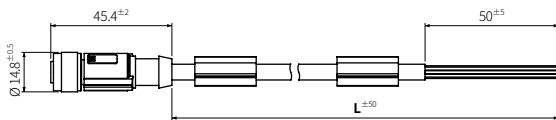
01) The cable for smart cameras are marked the specification.

02) To ordering the cable for safety light curtains, select the material specification.

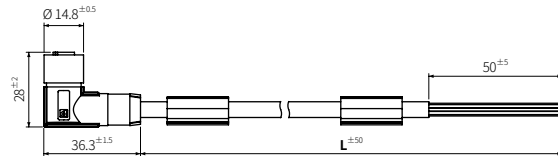
### ■ Dimensions

• Unit: mm, For the detailed drawings, follow the Autonics website.

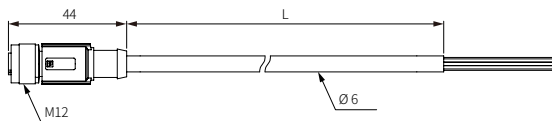
#### • Socket-Female (for smart cameras)



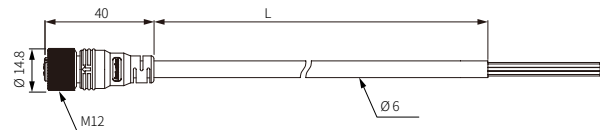
#### • Socket-Female, L type (for smart cameras)



#### • Socket-Female (for safety light curtains, PUR)



#### • Socket-Female (for safety light curtains, PVC)



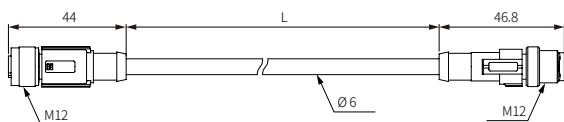
Power	Connector 1	Connector 2	Connection	Length	Feature	Application	Model	Specification							
DC	M12 (Socket-Female)	8-pin	M12 (Plug-Male)	8-pin	3 m	Safety light curtains <sup>01)</sup>	CID8-3T	Material PUR / PVC							
									Connector 1 Pin no. → Connector 2 Pin no.						
									1 → 1						
									2 → 2						
									3 → 3						
									4 → 4						
									5 → 5						
									6 → 6						
									7 → 7						
									8 → 8						
									M12 (Socket-Female)	8-wire	M12 (Plug-Male)	8-pin	5 m	Transmitter	CID8-3R
									M12 (Socket-Female)	8-wire	M12 (Plug-Male)	8-pin	7 m	Receiver	CID8-5T
M12 (Socket-Female)	8-wire	M12 (Plug-Male)	8-pin	10 m	Transmitter	CID8-5R									
							1 → 1								
M12 (Socket-Female)	8-wire	M12 (Plug-Male)	8-pin	15 m	Receiver	CID8-7T									
							1 → 1								
M12 (Socket-Female)	8-wire	M12 (Plug-Male)	8-pin	20 m	Transmitter	CID8-7R									
							1 → 1								
M12 (Socket-Female)	8-wire	M12 (Plug-Male)	8-pin	15 m	Receiver	CID8-10T									
							1 → 1								
M12 (Socket-Female)	8-wire	M12 (Plug-Male)	8-pin	20 m	Transmitter	CID8-10R									
							1 → 1								
M12 (Socket-Female)	8-wire	M12 (Plug-Male)	8-pin	20 m	Receiver	CID8-15T									
							1 → 1								
M12 (Socket-Female)	8-wire	M12 (Plug-Male)	8-pin	20 m	Receiver	CID8-15R									
							1 → 1								
M12 (Socket-Female)	8-wire	M12 (Plug-Male)	8-pin	20 m	Receiver	CID8-20T									
							1 → 1								
M12 (Socket-Female)	8-wire	M12 (Plug-Male)	8-pin	20 m	Receiver	CID8-20R									
							1 → 1								

01) To ordering the cable for safety light curtains, select the material specification.

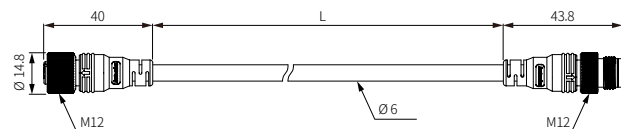
### ■ Dimensions

• Unit: mm, For the detailed drawings, follow the Autonics website.

#### • Socket-Female : Plug-Male (for safety light curtains, PUR)



#### • Socket-Female : Plug-Male (for safety light curtains, PVC)





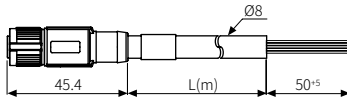
## M12 Connector 12-Pin

Power	Connector 1	Connector 2	Wire spec.	Connection	Length	Application	Model																												
DC	M12 (Socket-Female)	12-wire	AWG 26 (0.1 mm, 18-core), Insulator diameter: Ø1 mm	<table border="1"> <thead> <tr> <th>Pin no.</th> <th>Wiring</th> <th>Pin no.</th> <th>Wiring</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Brown</td> <td>7</td> <td>Black</td> </tr> <tr> <td>2</td> <td>Blue</td> <td>8</td> <td>Gray</td> </tr> <tr> <td>3</td> <td>White</td> <td>9</td> <td>Red</td> </tr> <tr> <td>4</td> <td>Green</td> <td>10</td> <td>Purple</td> </tr> <tr> <td>5</td> <td>Pink</td> <td>11</td> <td>Gray/Pink</td> </tr> <tr> <td>6</td> <td>Yellow</td> <td>12</td> <td>Red/Blue</td> </tr> </tbody> </table>	Pin no.	Wiring	Pin no.	Wiring	1	Brown	7	Black	2	Blue	8	Gray	3	White	9	Red	4	Green	10	Purple	5	Pink	11	Gray/Pink	6	Yellow	12	Red/Blue	2 m	LiDAR LSC Series / Vision sensors	CID-2-VG
					Pin no.	Wiring	Pin no.	Wiring																											
					1	Brown	7	Black																											
	2				Blue	8	Gray																												
	3				White	9	Red																												
	4				Green	10	Purple																												
	5				Pink	11	Gray/Pink																												
6	Yellow	12	Red/Blue																																
5 m	CID-5-VG																																		
10 m	CID-10-VG																																		
M12 (Socket-Female), L type	2 m	CLD-2-VG																																	
	5 m	CLD-5-VG																																	
	10 m	CLD-10-VG																																	

### ■ Dimensions

- Unit: mm, For the detailed drawings, follow the Autonics website.
- Cable thickness is different by cable material. (PVC: Ø 5 mm / Oil resistant PVC: Ø 6 mm)

#### • Socket-Female



#### • Socket-Female, L type

