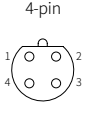
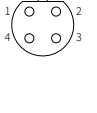
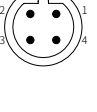
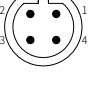


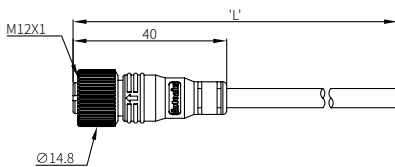
M8/M12 Connector Cable

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								

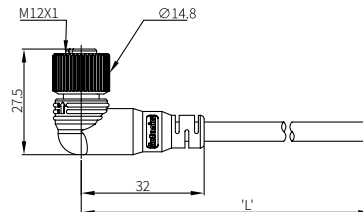
■ Dimensions

- 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)

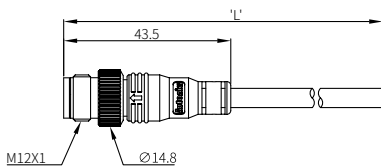
• Socket-Female



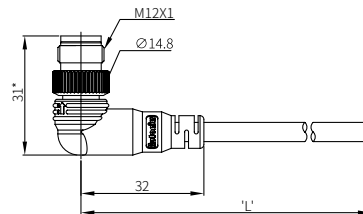
• Socket-Female, L type










• Plug-Male



• Plug-Male, L type



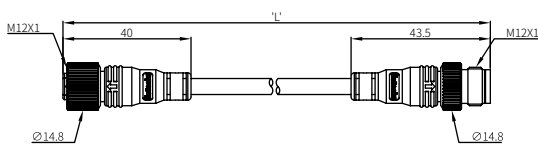
* Oil resistant PVC Model: 31.3

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	2 m	C1A4-5											
				M12 (Plug-Male), L type	5 m	C2A4-2											
	M12 (Socket-Female)	4-pin 		M12 (Plug-Male), L type	2 m	C2A4-5											
	M12 (Socket-Female), L type			M12 (Plug-Male)	5 m	C3A4-2											
M12 (Plug-Male)	4-pin 	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	C3A4-5		
				Connector 1 Pin no.	Connector 2 Pin no.												
				2	2												
				3	3												
1	1																
4	4																
M12 (Plug-Male)	4-pin 	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	C4A4-2		
				Connector 1 Pin no.	Connector 2 Pin no.												
2	2																
3	3																
1	1																
4	4																
M12 (Plug-Male)	4-pin 	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	5 m	C4A4-5		
				Connector 1 Pin no.	Connector 2 Pin no.												
2	2																
3	3																
1	1																
4	4																
M12 (Plug-Male)	4-pin 	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	C1A4-2P		
				Connector 1 Pin no.	Connector 2 Pin no.												
2	2																
3	3																
1	1																
4	4																
M12 (Plug-Male)	4-pin 	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	5 m	C1A4-5P		
				Connector 1 Pin no.	Connector 2 Pin no.												
2	2																
3	3																
1	1																
4	4																

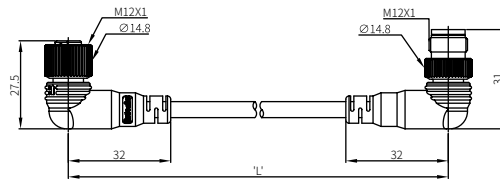
■ Dimensions

- 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)

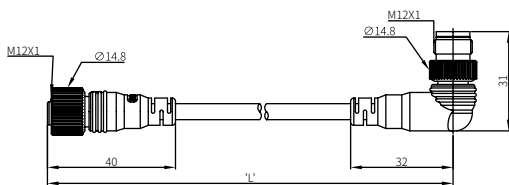
• Socket-Female : Plug-Male



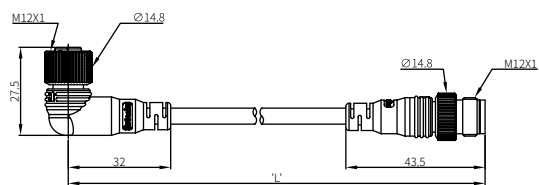
• Socket-Female, L type : Plug-Male, L type



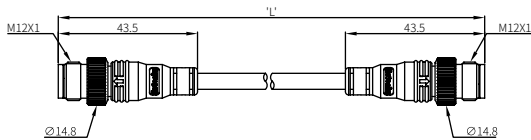
• Socket-Female : Plug-Male, L type







• Socket-Female, L type : Plug-Male



• Plug-Male: Plug-Male



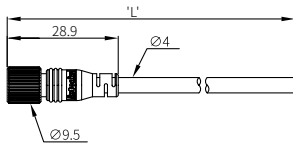
M8 Connector 4-Pin

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"> <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	2 m	PVC	Photoelectric sensors/ Proximity sensors	CID408-2
					Pin no.	Wiring												
	1	Brown																
	2	White																
	3	Blue																
	4	Black																
	5 m	CID408-5																
	M8 (Socket-Female), L type	4-pin 			2 m	Oil resistant PVC	CIDH408-2											
					5 m		CIDH408-5											
	M8 (Socket-Female)	4-pin 			2 m	PVC	CLD408-2											
5 m			CLD408-5															
M8 (Socket-Female), L type	4-pin 	2 m	Oil resistant PVC	CLDH408-2														
		5 m		CLDH408-5														

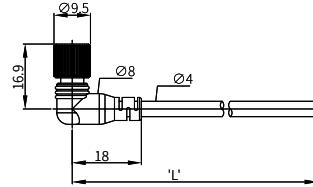
■ Dimensions

- 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

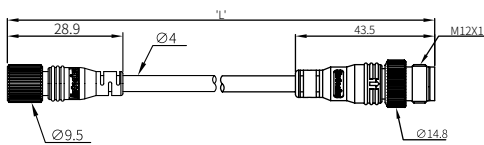


Power	Connector 1	Connector 2	Connection	Length	Feature	Application	Model										
DC	M8 (Socket-Female)	M12 (Plug-Male)	<table border="1"> <tr> <th>Connector 1 Pin no.</th> <th>Connector 2 Pin no.</th> </tr> <tr> <td>1</td> <td>1</td> </tr> <tr> <td>2</td> <td>2</td> </tr> <tr> <td>3</td> <td>3</td> </tr> <tr> <td>4</td> <td>4</td> </tr> </table>	Connector 1 Pin no.	Connector 2 Pin no.	1	1	2	2	3	3	4	4	2 m	PVC	Linear positioning sensors	C1D4-2EB
	Connector 1 Pin no.			Connector 2 Pin no.													
	1	1															
	2	2															
	3	3															
	4	4															
	M8 (Socket-Female), L type	M12 (Plug-Male), L type		5 m	C1D4-5EB												
		M8 (Socket-Female)		M12 (Plug-Male), L type	2 m	C2D4-2EB											
	5 m				C2D4-5EB												
	M8 (Socket-Female), L type	M12 (Plug-Male)		2 m	C3D4-2EB												
				5 m	C3D4-5EB												
	M8 (Socket-Female)	M12 (Plug-Male)		2 m	C4D4-2EB												
				5 m	C4D4-5EB												
	M8 (Socket-Female)	M12 (Plug-Male)		2 m	Oil resistant PVC	C1DH4-2EB											
				5 m		C1DH4-5EB											
				2 m		C2DH4-2EB											
5 m			C2DH4-5EB														
2 m			C3DH4-2EB														
5 m			C3DH4-5EB														
2 m			C4DH4-2EB														
5 m			C4DH4-5EB														

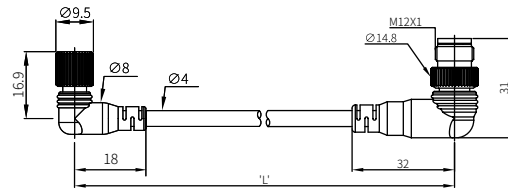
■ Dimensions

- 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)

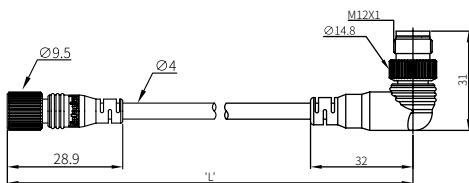
• Socket-Female : Plug-Male



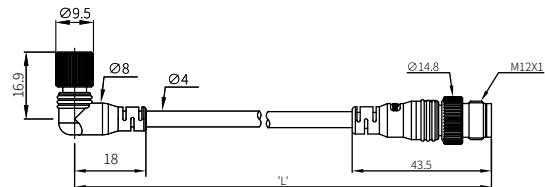
• Socket-Female, L type : Plug-Male, L type












































• Socket-Female : Plug-Male, L type




• Socket-Female, L type : Plug-Male



M12 Connector 4-Pin

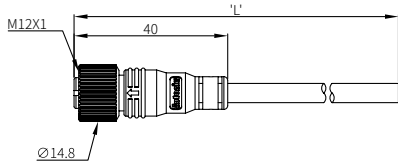
Power	Connector 1	Connector 2	Wire spec.	Connection	Length	Feature	Application	Model
DC	M12 (Socket-Female)	4-pin 2-wire 	AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.3 mm	Pin no. 1 → Wiring	2 m	PVC	Photoelectric sensors / Proximity sensors / Safety door switches	CID2-2
	Pin no. 2 → Wiring			5 m	Oil resistant PVC	CID2-5		
	M12 (Socket-Female), L type	4-pin 2-wire 	AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.3 mm	Pin no. 3 → Wiring	2 m	PVC		CIDH2-2
				Pin no. 4 → Wiring	5 m	Oil resistant PVC		CIDH2-5
	M12 (Socket-Female)	4-pin 2-wire 	AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.3 mm	IEC standard Pin no. 1 → Wiring	2 m	PVC		CID2-2-I
	M12 (Socket-Female), L type			4-pin 2-wire 	AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.3 mm	IEC standard Pin no. 2 → Wiring		5 m
		IEC standard Pin no. 4 → Wiring	2 m			PVC		CIDH2-2-I
	M12 (Socket-Female), L type	4-pin 2-wire 	AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.3 mm	IEC standard Pin no. 3 → Wiring	5 m	PVC		CLD2-2-I
					5 m	Oil resistant PVC		CLD2-5-I
	M12 (Plug-Male)	4-pin 2-wire 	AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.3 mm	Pin no. 1 → Wiring	2 m	PVC		CID2-2P
					M12 (Plug-Male), L type	4-pin 2-wire 		AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.3 mm
	M12 (Plug-Male), L type	4-pin 2-wire 	AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.3 mm	Pin no. 3 → Wiring				
					M12 (Plug-Male), L type	4-pin 2-wire 		AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.3 mm
	M12 (Socket-Female)	4-pin 3-wire 	AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.3 mm	Pin no. 1 → Wiring				
					M12 (Socket-Female), L type	4-pin 3-wire 		AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.3 mm
	M12 (Socket-Female), L type	4-pin 3-wire 	AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.3 mm	Pin no. 3 → Wiring				
					M12 (Socket-Female), L type	4-pin 3-wire 		AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.3 mm
	M12 (Plug-Male)	4-pin 3-wire 	AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.3 mm	Pin no. 1 → Wiring				
					M12 (Plug-Male), L type	4-pin 3-wire 		AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.3 mm
	M12 (Plug-Male), L type	4-pin 3-wire 	AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.3 mm	Pin no. 3 → Wiring				
					M12 (Plug-Male), L type	4-pin 3-wire 		AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.3 mm
	M12 (Socket-Female)	4-pin 4-wire 	AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.65 mm	Pin no. 1 → Wiring				
					M12 (Socket-Female), L type	4-pin 4-wire 		AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.65 mm
	M12 (Socket-Female), L type	4-pin 4-wire 	AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.65 mm	Pin no. 3 → Wiring				
					M12 (Socket-Female), L type	4-pin 4-wire 		AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.65 mm
	M12 (Socket-Female), L type	4-pin 4-wire 	AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.65 mm	Pin no. 1 → Wiring				
					M12 (Socket-Female), L type	4-pin 4-wire 		AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.65 mm
	M12 (Socket-Female), L type	4-pin 4-wire 	AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.65 mm	Pin no. 3 → Wiring				
					M12 (Socket-Female), L type	4-pin 4-wire 		AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.65 mm
	M12 (Plug-Male)	4-pin 4-wire 	AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.65 mm	Pin no. 1 → Wiring				
					M12 (Plug-Male), L type	4-pin 4-wire 		AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.65 mm
	M12 (Plug-Male), L type	4-pin 4-wire 	AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.65 mm	Pin no. 3 → Wiring				
					M12 (Plug-Male), L type	4-pin 4-wire 		AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.65 mm
	M12 (Plug-Male), L type	4-pin 4-wire 	AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.65 mm	Pin no. 1 → Wiring				
					M12 (Plug-Male), L type	4-pin 4-wire 		AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.65 mm
	M12 (Plug-Male), L type	4-pin 4-wire 	AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.65 mm	Pin no. 3 → Wiring				
					M12 (Plug-Male), L type	4-pin 4-wire 		AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.65 mm
	M12 (Plug-Male), L type	4-pin 4-wire 	AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.65 mm	Pin no. 1 → Wiring				
					M12 (Plug-Male), L type	4-pin 4-wire 		AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.65 mm
	M12 (Plug-Male), L type	4-pin 4-wire 	AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.65 mm	Pin no. 3 → Wiring				
					M12 (Plug-Male), L type	4-pin 4-wire 		AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.65 mm
	M12 (Plug-Male), L type	4-pin 4-wire 	AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.65 mm	Pin no. 1 → Wiring				
					M12 (Plug-Male), L type	4-pin 4-wire 		AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.65 mm
	M12 (Plug-Male), L type	4-pin 4-wire 	AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.65 mm	Pin no. 3 → Wiring				
					M12 (Plug-Male), L type	4-pin 4-wire 		AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.65 mm

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											

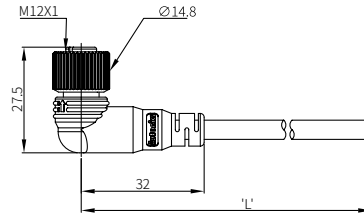
■ Dimensions

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

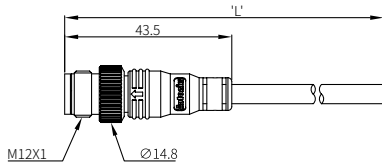
• Socket-Female



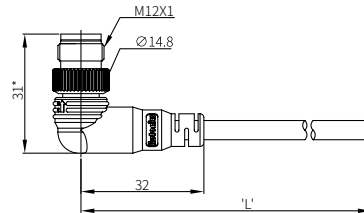
• Socket-Female, L type



• Plug-Male



• Plug-Male, L type



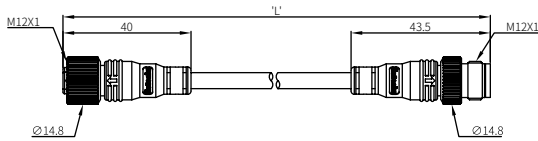
* Oil resistant PVC model: 31.3

Power	Connector 1	Connector 2	Connection	Length	Feature	Application	Model										
DC	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>1</td> <td>1</td> </tr> <tr> <td>2</td> <td></td> </tr> <tr> <td>3</td> <td>3</td> </tr> <tr> <td>4</td> <td>4</td> </tr> </table>	Connector 1 Pin no.	Connector 2 Pin no.	1	1	2		3	3	4	4	2 m	PVC	Photoelectric sensors / Proximity sensors / Linear positioning sensors / Safety door switches	C1D4-2
	Connector 1 Pin no.	Connector 2 Pin no.															
	1	1															
	2																
	3	3															
	4	4															
	M12 (Socket-Female), L type	M12 (Plug-Male), L type	5 m	C1D4-5													
	M12 (Socket-Female)	M12 (Plug-Male), L type	2 m	C2D4-2													
	M12 (Socket-Female)	M12 (Plug-Male), L type	5 m	C2D4-5													
	M12 (Socket-Female), L type	M12 (Plug-Male)		2 m			C3D4-2										
				5 m			C3D4-5										
				2 m			C4D4-2										
				5 m			C4D4-5										
	M12 (Socket-Female)	M12 (Plug-Male)		1 m	Oil resistant PVC		C1DH4-1										
				3 m			C1DH4-3										
				5 m			C1DH4-5										
				7 m			C1DH4-7										
				1 m			C2DH4-1										
	M12 (Socket-Female), L type	M12 (Plug-Male), L type	<table border="1"> <tr> <th>Connector 1 Pin no.</th> <th>Connector 2 Pin no.</th> </tr> <tr> <td>1</td> <td>1</td> </tr> <tr> <td>2</td> <td>2</td> </tr> <tr> <td>3</td> <td>3</td> </tr> <tr> <td>4</td> <td>4</td> </tr> </table>	Connector 1 Pin no.		Connector 2 Pin no.	1	1	2	2	3	3	4	4	3 m		C2DH4-3
	Connector 1 Pin no.	Connector 2 Pin no.															
1	1																
2	2																
3	3																
4	4																
			5 m			C2DH4-5											
			7 m		C2DH4-7												
M12 (Socket-Female)	M12 (Plug-Male), L type		1 m		C3DH4-1												
			3 m		C3DH4-3												
			5 m		C3DH4-5												
			7 m		C3DH4-7												
M12 (Socket-Female), L type	M12 (Plug-Male)		1 m		C4DH4-1												
			3 m		C4DH4-3												
			5 m		C4DH4-5												
			7 m		C4DH4-7												
M12 (Plug-Male)	M12 (Plug-Male)	<table border="1"> <tr> <th>Connector 1 Pin no.</th> <th>Connector 2 Pin no.</th> </tr> <tr> <td>1</td> <td>1</td> </tr> <tr> <td>2</td> <td>2</td> </tr> <tr> <td>3</td> <td>3</td> </tr> <tr> <td>4</td> <td>4</td> </tr> </table>	Connector 1 Pin no.	Connector 2 Pin no.	1	1	2	2	3	3	4	4	2 m	PVC	Photoelectric sensors / Proximity sensors / Safety door switches	C1D4-2P	
Connector 1 Pin no.	Connector 2 Pin no.																
1	1																
2	2																
3	3																
4	4																
			5 m	C1D4-5P													

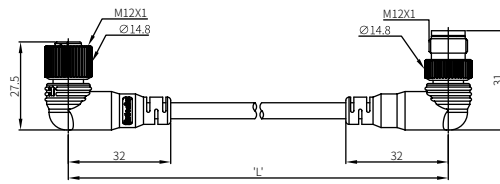
■ Dimensions

- 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)

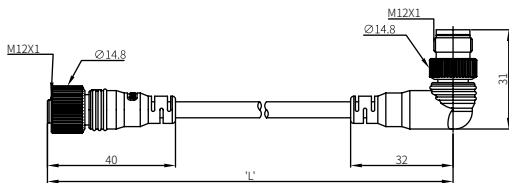
• Socket-Female : Plug-Male



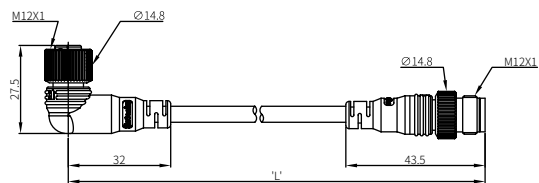
• Socket-Female, L type : Plug-Male, L type



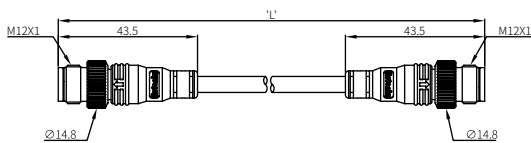
• Socket-Female : Plug-Male, L type



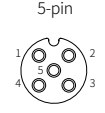
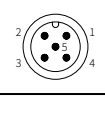
• Socket-Female, L type : Plug-Male



• Plug-Male : Plug-Male



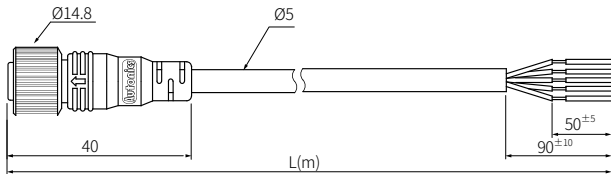
M12 Connector 5-Pin

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																		

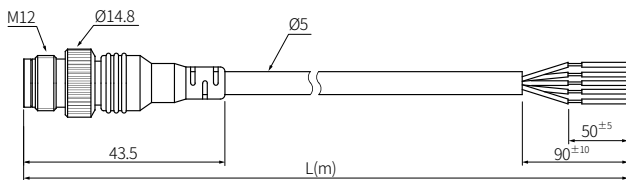
■ Dimensions

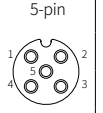
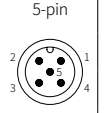
- Unit: mm, For the detailed drawings, follow the Autonics website.

• Socket-Female



• Plug-Male

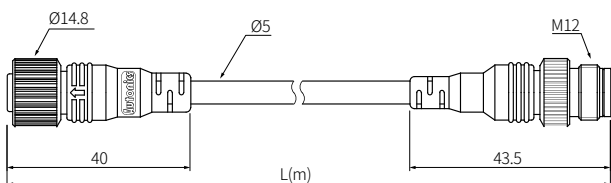


Power	Connector 1		Connector 2	Connection		Length	Feature	Application	Model	
DC	M12 (Socket-Female)		M12 (Plug-Male)		Connector 1 Pin no.	Connector 2 Pin no.	1 m	PVC	Safety non-contact door switches	CID5-1
					1	→ 1	2 m			CID5-2
					2	→ 2	3 m			CID5-3
					3	→ 3	5 m			CID5-5
					4	→ 4	7 m			CID5-7
					5	→ 5				

■ Dimensions

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

• Socket-Female : Plug-Male



M12 Connector 8-Pin

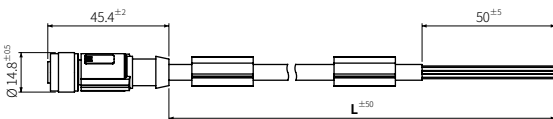
Power	Connector 1	Connector 2	Wire spec.	Connection	Length	Feature	Application	Model		
DC	M12 (Socket-Female)	8-pin	AWG 24 (0.1 mm, 32-core), Insulator diameter: Ø1.17 mm	Pin no. → Color	2 m	• Drag chain type (2 million) • IP65 / IP67 • PUR • EAC	Smart cameras	CIDM8-2-A		
				1 → White				5 m	CIDM8-5-A	
				2 → Brown				10 m	CIDM8-10-A	
				3 → Green				2 m	CLDM8-2-A	
				4 → Yellow				5 m	CLDM8-5-A	
				5 → Gray				10 m	CLDM8-10-A	
	M12 (Socket-Female), L type	8-pin	AWG 24 (0.1 mm, 32-core), Insulator diameter: Ø1.17 mm	Pin no. → Color	3 m	PUR or PVC	Safety light curtains ⁰¹⁾	CID8-3T		
				1 → Blue				Receiver	CID8-3R	
				2 → Orange				5 m	Transmitter	CID8-5T
				3 → Yellow				Receiver	CID8-5R	
				4 → Red				7 m	Transmitter	CID8-7T
				5 → Pink				Receiver	CID8-7R	
M12 (Socket-Female)	8-pin	AWG 24 (0.1 mm, 32-core), Insulator diameter: Ø1.17 mm	Pin no. → Color	5 m	PUR or PVC	Safety light curtains ⁰¹⁾	CID8-8T			
			6 → Black				7 m	Transmitter	CID8-8R	
			7 → White				10 m	Transmitter	CID8-10T	
			8 → Brown				Receiver	CID8-10R		

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

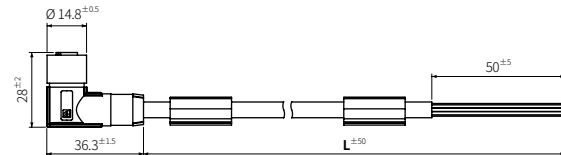
■ Dimensions

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

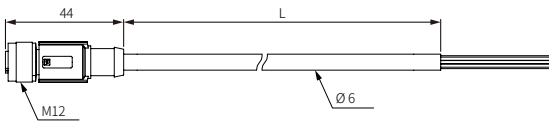
• Socket-Female (for smart cameras, drag chain type, PUR)



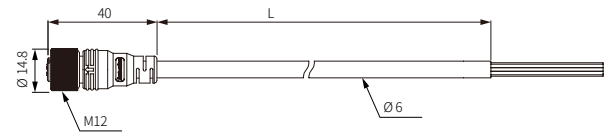
• Socket-Female, L type (for smart cameras, drag chain type, PUR)



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



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



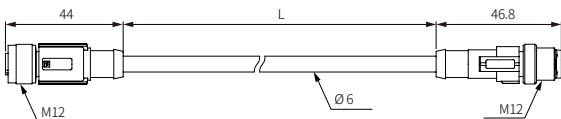
Power	Connector 1	Connector 2	Connection	Length	Feature	Application	Model			
DC	M12 (Socket-Female)	8-pin	M12 (Plug-Male)	8-pin	Connector 1 Pin no. → Connector 2 Pin no.	PUR or PVC	Safety light curtains ⁰¹⁾			
					1 → 1			3 m	Transmitter	C1D8-3T
					2 → 2			Receiver	C1D8-3R	
					3 → 3			5 m	Transmitter	C1D8-5T
					4 → 4			Receiver	C1D8-5R	
					5 → 5			7 m	Transmitter	C1D8-7T
					6 → 6			Receiver	C1D8-7R	
					7 → 7			10 m	Transmitter	C1D8-10T
					8 → 8			Receiver	C1D8-10R	
					15 m			Transmitter	C1D8-15T	
					20 m			Transmitter	C1D8-20T	
					Receiver			C1D8-20R		

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

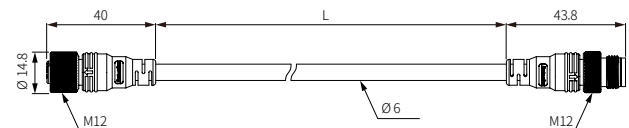
■ Dimensions

• 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)



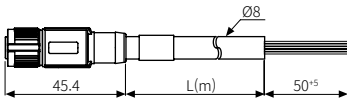
M12 Connector 12-Pin

Power	Connector 1	Connector 2	Wire spec.	Connection	Length	Feature	Application	Model				
DC	M12 (Socket-Female)	12-pin 	12-wire	AWG 26 (0.1 mm, 18-core), Insulator diameter: Ø1 mm	Pin no.	Wiring	Pin no.	Wiring	2 m 5 m 10 m 2 m 5 m 10 m	• Drag chain type (2 million) • IP65 / IP67 • PUR	LiDAR LSC Series / Vision sensors	CID-2-VG CID-5-VG CID-10-VG CLD-2-VG CLD-5-VG CLD-10-VG
					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								
	M12 (Socket-Female), L type	12-pin 	12-wire	AWG 26 (0.1 mm, 18-core), Insulator diameter: Ø1 mm	Pin no.	Wiring	Pin no.	Wiring	2 m 5 m 10 m 2 m 5 m 10 m	PVC	LiDAR LSC Series / Vision sensors	CID12-2 CID12-5 CID12-10 CLD12-2 CLD12-5 CLD12-10
					1	Brown	7	Black				
	2	Blue	8	Gray								
3	White	9	Red									
4	Green	10	Purple									
5	Orange	11	Sky									
6	Yellow	12	Bright green									
M12 (Socket-Female)	12-pin 	12-wire	AWG 24 (0.16 mm, 11-core), Insulator diameter: Ø1.15 mm	Pin no.	Wiring	Pin no.	Wiring	2 m 5 m 10 m 2 m 5 m 10 m	PVC	LiDAR LSC Series / Vision sensors	CID12-2 CID12-5 CID12-10 CLD12-2 CLD12-5 CLD12-10	
				1	Brown	7	Black					
2	Blue	8	Gray									
3	White	9	Red									
4	Green	10	Purple									
5	Orange	11	Sky									
6	Yellow	12	Bright green									
M12 (Socket-Female), L type	12-pin 	12-wire	AWG 24 (0.16 mm, 11-core), Insulator diameter: Ø1.15 mm	Pin no.	Wiring	Pin no.	Wiring	2 m 5 m 10 m 2 m 5 m 10 m	PVC	LiDAR LSC Series / Vision sensors	CID12-2 CID12-5 CID12-10 CLD12-2 CLD12-5 CLD12-10	
				1	Brown	7	Black					
2	Blue	8	Gray									
3	White	9	Red									
4	Green	10	Purple									
5	Orange	11	Sky									
6	Yellow	12	Bright green									

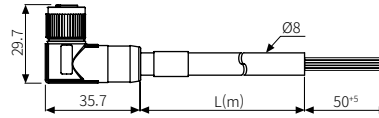
■ Dimensions

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

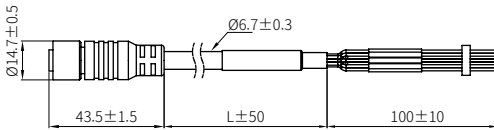
• Socket-Female (drag chain type, PUR)



• Socket-Female, L type (drag chain type, PUR)



• Socket-Female (PVC)



• Socket-Female, L type (PVC)

