



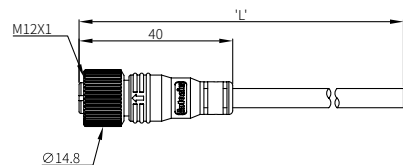
M8/M12 Connector Cable

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	<div>Pin no.</div>	<div>Wiring</div>	2 m	PVC	Photoelectric sensors/ Proximity sensors / Safety door switches	CIA2-2
	<div>1</div>				→ Brown	5 m	CIA2-5			
	<div>4</div>					<div>2</div>	→ Blue	2 m		Oil resistant PVC
					<div>3</div>	5 m		CIAH2-5		
	M12 (Socket-Female), L type	<div>2 m</div>	PVC	CLA2-2						
	<div>3 m</div>	CLA2-3								
		<div>5 m</div>	Oil resistant PVC	CLA2-5						
		<div>2 m</div>		CLAH2-2						
	<div>5 m</div>	CLAH2-5								
	M12 (Plug-Male)		2-wire	AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.3 mm	<div>Pin no.</div>	<div>Wiring</div>	2 m	PVC		CIA2-2P
	<div>1</div>				→ Brown	5 m	CIA2-5P			
	<div>4</div>					<div>2</div>	→ Blue	2 m		Oil resistant PVC
					<div>3</div>	5 m		CIAH2-5P		
	M12 (Plug-Male), L type	<div>2 m</div>	PVC	CLA2-2P						
	<div>5 m</div>	CLA2-5P								
		<div>2 m</div>	Oil resistant PVC	CLAH2-2P						
<div>5 m</div>	CLAH2-5P									

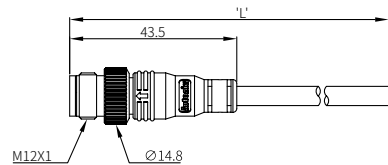
■ Dimensions

- 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)

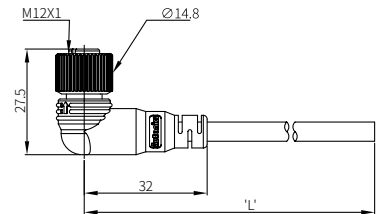
• Socket-Female



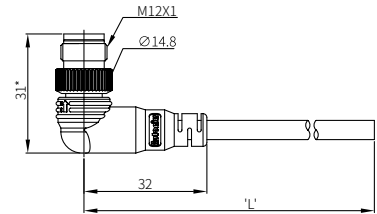
• Plug-Male





• Socket-Female, L type



• Plug-Male, L type



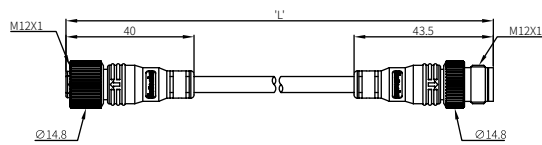
* Oil resistant PVC Model: 31.3

Power	Connector 1		Connector 2		Connection	Length	Feature	Application	Model
AC	M12 (Socket-Female)	4-pin 	M12 (Plug-Male)	4-pin 	<div>Connector 1 Pin no.</div> <div>2 → 2</div> <div>3 → 3</div>	2 m	PVC	Photoelectric sensors/ Proximity sensors/ Safety door switches	C1A4-2
	M12 (Socket-Female), L type		M12 (Plug-Male), L type			5 m			C1A4-5
	M12 (Socket-Female)		M12 (Plug-Male), L type		<div>Connector 1 Pin no.</div> <div>1 → 1</div> <div>4 → 4</div>	2 m			C2A4-2
	M12 (Socket-Female), L type		M12 (Plug-Male)			5 m			C2A4-5
					<div>Connector 1 Pin no.</div> <div>2 → 2</div> <div>3 → 3</div>	2 m			C3A4-2
						5 m			C3A4-5
					<div>Connector 1 Pin no.</div> <div>2 → 2</div> <div>3 → 3</div>	2 m			C4A4-2
						5 m			C4A4-5
					<div>Connector 1 Pin no.</div> <div>2 → 2</div> <div>3 → 3</div>	2 m			C1A4-2P
						5 m			C1A4-5P

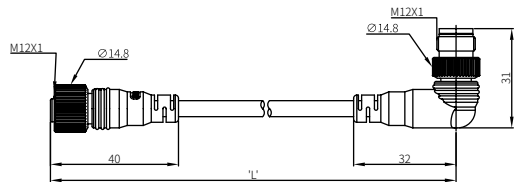
■ Dimensions

- 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)

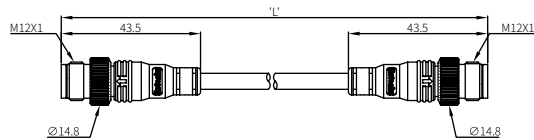
• Socket-Female : Plug-Male



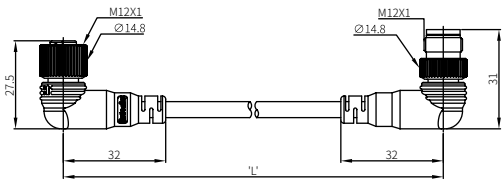
• Socket-Female : Plug-Male, L type



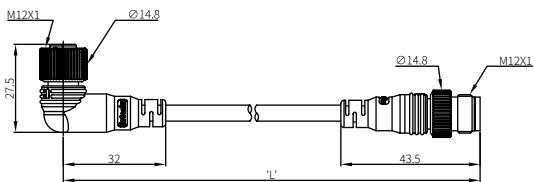
• Plug-Male: Plug-Male




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



• Socket-Female, L type : Plug-Male



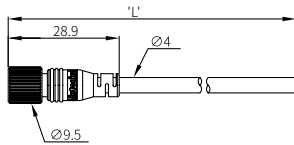
M8 Connector 4-Pin

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

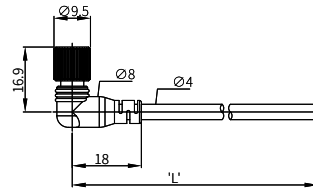
■ Dimensions



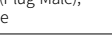

- Unit: mm, For the detailed drawings, follow the Autonics website.
- Cable thickness is different by cable material. (PVC: Ø 4 mm / Oil resistant PVC: Ø 6 mm)

• Socket-Female



• Socket-Female, L type

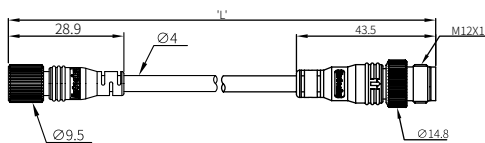


Power	Connector 1		Connector 2		Connection	Length	Feature	Application	Model										
DC	M8 (Socket-Female)	4-pin 	M12 (Plug-Male)	4-pin 	<table><tr><th>Connector 1 Pin no.</th><th>Connector 2 Pin no.</th></tr><tr><td>1</td><td>1</td></tr><tr><td>2</td><td>2</td></tr><tr><td>3</td><td>3</td></tr><tr>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

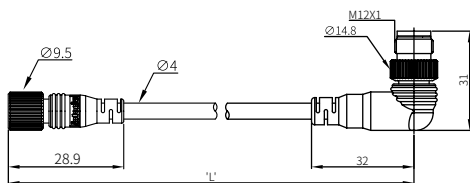
■ Dimensions

- 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)

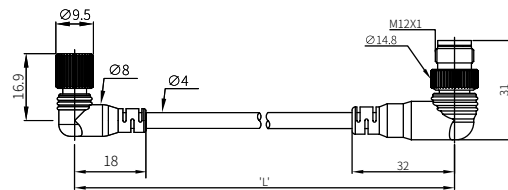
• Socket-Female : Plug-Male



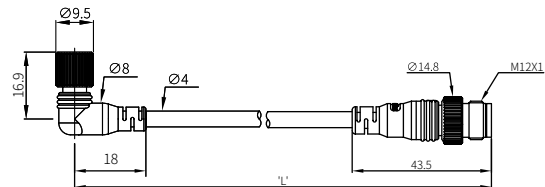
• Socket-Female : Plug-Male, L type



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




• Socket-Female, L type : Plug-Male



M12 Connector 4-Pin

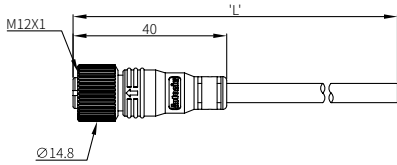
DC

Power	Connector 1		Connector 2	Wire spec.	Connection	Length	Feature	Application	Model															
DC	M12 (Socket-Female)	<div>4-pin</div> 	4-wire	AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.25 mm	<table><thead><tr><th>Pin no.</th><th></th><th>Wiring</th></tr></thead><tbody><tr><td>1</td><td>→</td><td>Brown</td></tr><tr><td>2</td><td>→</td><td>White</td></tr><tr><td>3</td><td>→</td><td>Blue</td></tr><tr><td>4</td><td>→</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
						Pin no.		Wiring																
						1	→	Brown																
						2	→	White																
						3	→	Blue																
						4	→	Black																
								CID4-3R																
						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																						

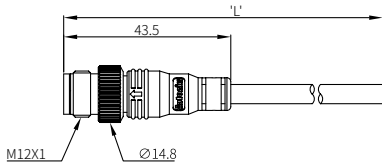
■ Dimensions

- 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)

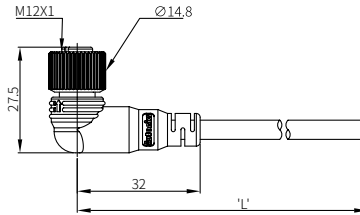
• Socket-Female



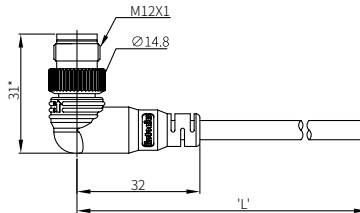
• Plug-Male





• Socket-Female, L type



• Plug-Male, L type



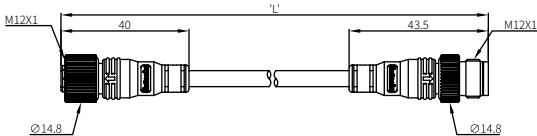
* Oil resistant PVC model: 31.3

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

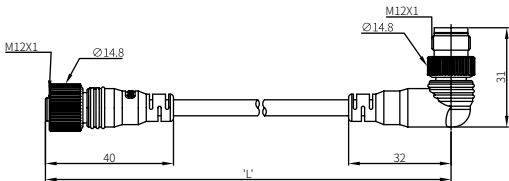
■ Dimensions

- 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)

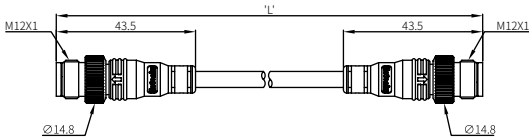
• Socket-Female : Plug-Male



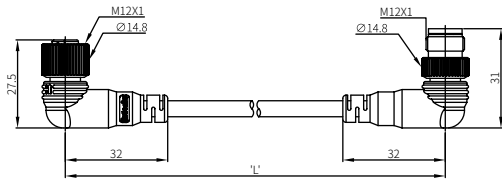
• Socket-Female : Plug-Male, L type



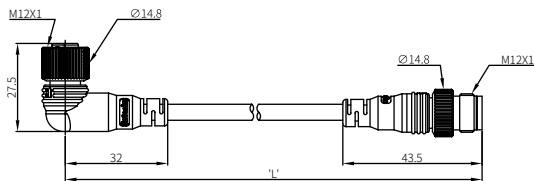
• Plug-Male : Plug-Male





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



• Socket-Female, L type : Plug-Male



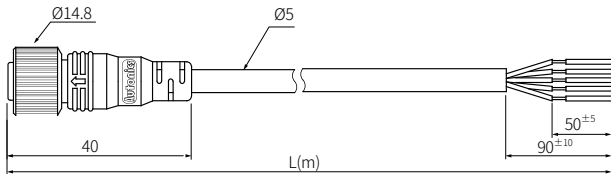
M12 Connector 5-Pin

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><tr><th>Pin no.</th><th>→</th><th>Wiring</th></tr><tr><td>1</td><td>→</td><td>Brown</td></tr><tr><td>2</td><td>→</td><td>White</td></tr><tr><td>3</td><td>→</td><td>Blue</td></tr><tr><td>4</td><td>→</td><td>Black</td></tr><tr><td>5</td><td>→</td><td>Yellow</td></tr></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)				<table><tr><th>Pin no.</th><th>→</th><th>Wiring</th></tr><tr><td>1</td><td>→</td><td>Brown</td></tr><tr><td>2</td><td>→</td><td>White</td></tr><tr><td>3</td><td>→</td><td>Blue</td></tr><tr><td>4</td><td>→</td><td>Black</td></tr><tr><td>5</td><td>→</td><td>Yellow</td></tr></table>	Pin no.	→	Wiring	1	→	Brown	2	→	White	3	→	Blue	4	→	Black	5	→	Yellow	1 m			CID5-1P
Pin no.			→	Wiring																							
1			→	Brown																							
2			→	White																							
3			→	Blue																							
4			→	Black																							
5			→	Yellow																							
2 m	CID5-2P																										
3 m	CID5-3P																										
5 m	CID5-5P																										
7 m	CID5-7P																										

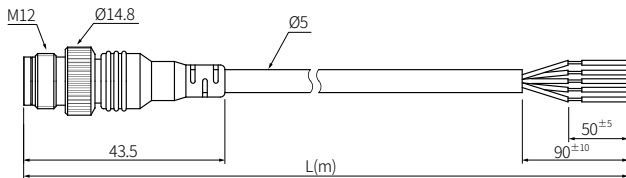
■ Dimensions



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

• Socket-Female



• Plug-Male

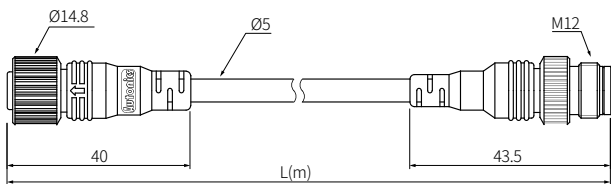


Power	Connector 1		Connector 2		Connection		Length	Feature	Application	Model
DC	M12 (Socket-Female)	<div>5-pin</div> 	M12 (Plug-Male)	<div>5-pin</div> 	Connector 1 Pin no.	Connector 2 Pin no.	1 m	PVC	Safety non-contact door switches	C1D5-1
					1 → 1	2 m	C1D5-2			
					2 → 2	3 m	C1D5-3			
					3 → 3	5 m	C1D5-5			
					4 → 4	7 m	C1D5-7			
					5 → 5					




■ Dimensions

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

• Socket-Female : Plug-Male



M12 Connector 8-Pin

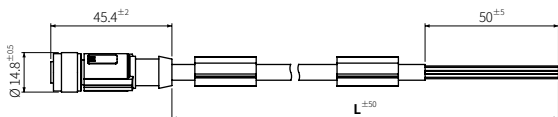
Power	Connector 1		Connector 2	Wire spec.	Connection	Length	Feature		Application	Model																		
DC	M12 (Socket-Female)		8-wire	AWG 24 (0.1 mm, 32-core), Insulator diameter: Ø1.17 mm	<table><tr><th>Pin no.</th><th>Color</th></tr><tr><td>1 →</td><td>White</td></tr><tr><td>2 →</td><td>Brown</td></tr><tr><td>3 →</td><td>Green</td></tr><tr><td>4 →</td><td>Yellow</td></tr><tr><td>5 →</td><td>Gray</td></tr><tr><td>6 →</td><td>Pink</td></tr><tr><td>7 →</td><td>Blue</td></tr><tr><td>8 →</td><td>Red</td></tr></table>	Pin no.	Color	1 →	White	2 →	Brown	3 →	Green	4 →	Yellow	5 →	Gray	6 →	Pink	7 →	Blue	8 →	Red	2 m	<ul style="list-style-type: none">• Drag chain type (2 million)• IP65 / IP67• PUR• 	Smart cameras	CIDM8-2-A	
	Pin no.				Color																							
	1 →				White																							
	2 →				Brown																							
	3 →				Green																							
	4 →				Yellow																							
	5 →				Gray																							
	6 →				Pink																							
	7 →	Blue																										
	8 →	Red																										
		5 m	CIDM8-5-A																									
		10 m	CIDM8-10-A																									
		2 m	CLDM8-2-A																									
		5 m	CLDM8-5-A																									
		10 m	CLDM8-10-A																									
	M12 (Socket-Female), L type																											
	M12 (Socket-Female)		8-wire	AWG 24 (0.1 mm, 32-core), Insulator diameter: Ø1.17 mm	<table><tr><th>Pin no.</th><th>Color</th></tr><tr><td>1 →</td><td>Blue</td></tr><tr><td>2 →</td><td>Orange</td></tr><tr><td>3 →</td><td>Yellow</td></tr><tr><td>4 →</td><td>Red</td></tr><tr><td>5 →</td><td>Pink</td></tr><tr><td>6 →</td><td>Black</td></tr><tr><td>7 →</td><td>White</td></tr><tr><td>8 →</td><td>Brown</td></tr></table>	Pin no.	Color	1 →	Blue	2 →	Orange	3 →	Yellow	4 →	Red	5 →	Pink	6 →	Black	7 →	White	8 →	Brown	3 m	Transmitter	PUR or PVC	Safety light curtains ⁰¹⁾	CID8-3T
	Pin no.				Color																							
	1 →				Blue																							
2 →	Orange																											
3 →	Yellow																											
4 →	Red																											
5 →	Pink																											
6 →	Black																											
7 →	White																											
8 →	Brown																											
					Receiver	CID8-3R																						
	5 m	Transmitter	CID8-5T																									
		Receiver	CID8-5R																									
	7 m	Transmitter	CID8-7T																									
		Receiver	CID8-7R																									
	10 m	Transmitter	CID8-10T																									
		Receiver	CID8-10R																									

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

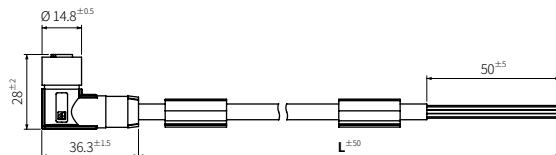
■ Dimensions

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

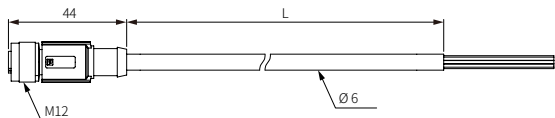
- Socket-Female (for smart cameras, drag chain type, PUR)



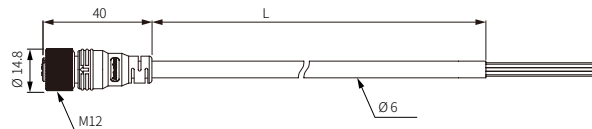
- Socket-Female, L type (for smart cameras, drag chain type, PUR)





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



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



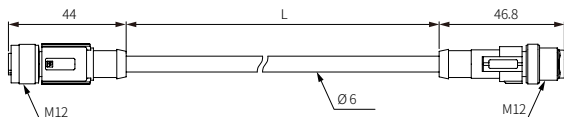
Power	Connector 1		Connector 2		Connection		Length	Feature		Application	Model					
DC	M12 (Socket-Female)		M12 (Plug-Male)		<div>Connector 1</div> <div>Pin no.</div>	<div>Connector 2</div> <div>Pin no.</div>	3 m	Transmitter	PUR or PVC	Safety light curtains ⁰¹⁾	C1D8-3T					
								Receiver			C1D8-3R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

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

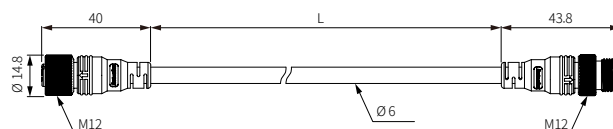
■ Dimensions

- 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)



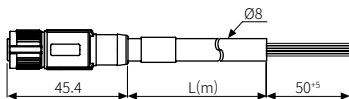
M12 Connector 12-Pin

Power	Connector 1		Connector 2	Wire spec.	Connection				Length	Feature	Application	Model																									
DC	M12 (Socket-Female)		12-wire	AWG 26 (0.1 mm, 18-core), Insulator diameter: Ø1 mm	<table><tr><th>Pin no.</th><th>Wiring</th><th>Pin no.</th><th>Wiring</th></tr><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></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	<ul style="list-style-type: none">• Drag chain type (2 million)• IP65 / IP67• PUR	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																																	
	M12 (Socket-Female), L type	5 m	CID-5-VG																																		
		10 m	CID-10-VG																																		
		2 m	CLD-2-VG																																		
		5 m	CLD-5-VG																																		
		10 m	CLD-10-VG																																		
	M12 (Socket-Female)		12-wire	AWG 24 (0.16 mm, 11-core), Insulator diameter: Ø1.15 mm	<table><tr><th>Pin no.</th><th>Wiring</th><th>Pin no.</th><th>Wiring</th></tr><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>Orange</td><td>11</td><td>Sky</td></tr><tr><td>6</td><td>Yellow</td><td>12</td><td>Light green</td></tr></table>	Pin no.	Wiring	Pin no.	Wiring	1	Brown	7	Black	2	Blue	8	Gray	3	White	9	Red	4	Green	10	Purple	5	Orange	11	Sky	6	Yellow	12	Light green	2 m	PVC		CID12-2
Pin no.	Wiring				Pin no.	Wiring																															
1	Brown				7	Black																															
2	Blue				8	Gray																															
3	White				9	Red																															
4	Green				10	Purple																															
5	Orange				11	Sky																															
6	Yellow				12	Light green																															
M12 (Socket-Female), L type	5 m	CID12-5																																			
	10 m	CID12-10																																			
	2 m	CLD12-2																																			
	5 m	CLD12-5																																			
	10 m	CLD12-10																																			

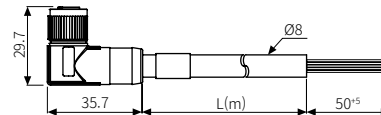
■ Dimensions

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

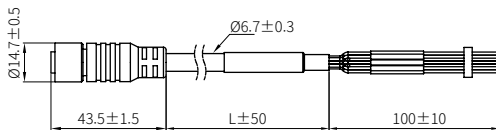
• Socket-Female (drag chain type, PUR)



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



• Socket-Female (PVC)



• Socket-Female, L type (PVC)

