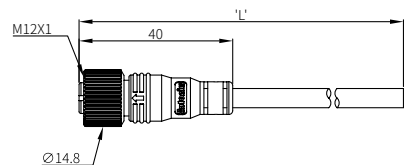


M8/M12 Connector Cable

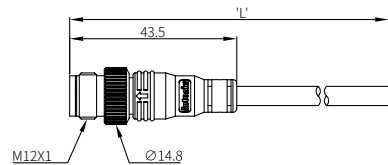
M12 Connector 4-Pin																	
Power	Connector 1		Connector 2	Wire spec.	Connection	Length	Feature	Application	Model								
AC	M12 (Socket-Female)		2-wire	AWG 22 (0.08 mm, 60-core), Insulator diameter: Ø1.3 mm	<table><tr><th>Pin no.</th><th>Wiring</th></tr><tr><td>1</td><td rowspan="2">→ Brown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

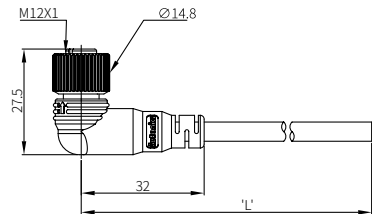
• Socket-Female



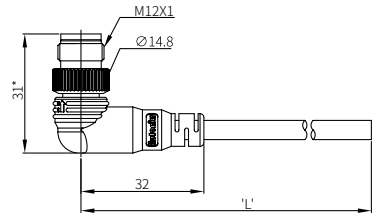
• Plug-Male



• Socket-Female, L type



• Plug-Male, L type



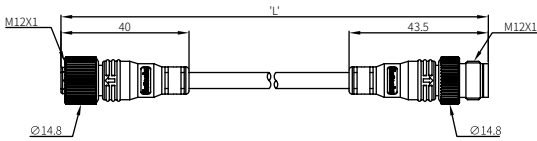
* Oil resistant PVC Model: 31.3

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

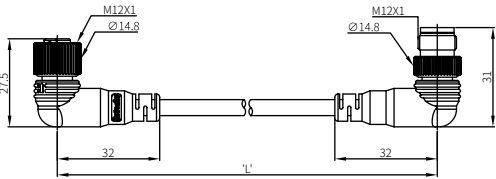
■ Dimensions

- 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)

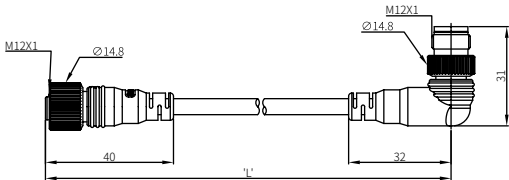
• Socket-Female : Plug-Male



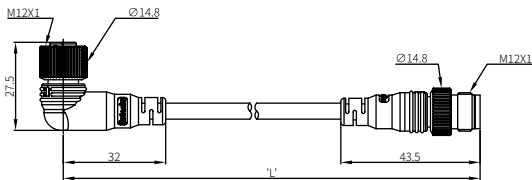
• Socket-Female, L type : Plug-Male, L type



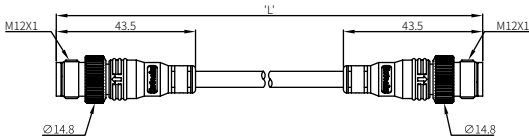
• Socket-Female : Plug-Male, L type



• Socket-Female, L type : Plug-Male



• Plug-Male: Plug-Male



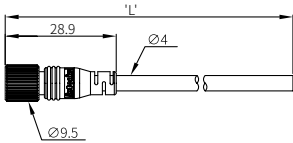
M8 Connector 4-Pin

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	Pin no. Wiring	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

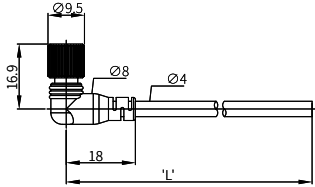
■ Dimensions

- 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



M12 Connector 4-Pin

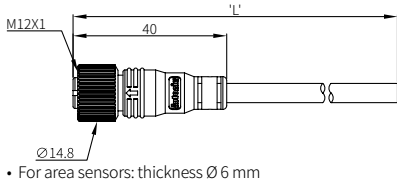
DC

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><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																						

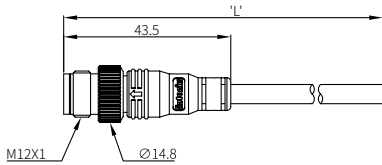
■ Dimensions

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

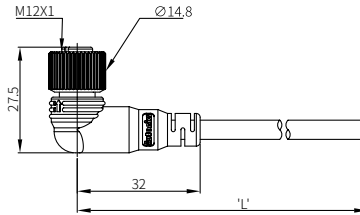
• Socket-Female



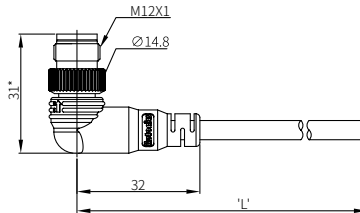
• Plug-Male



• Socket-Female, L type



• Plug-Male, L type



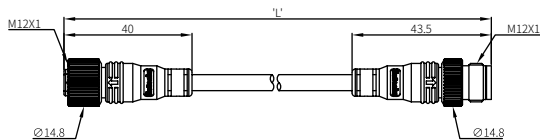
* Oil resistant PVC model: 31.3

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

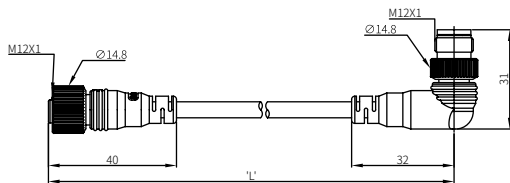
■ Dimensions

- 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)

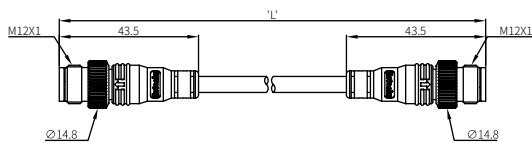
• Socket-Female : Plug-Male



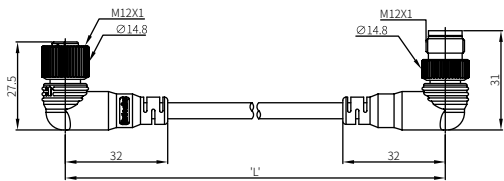
• Socket-Female : Plug-Male, L type



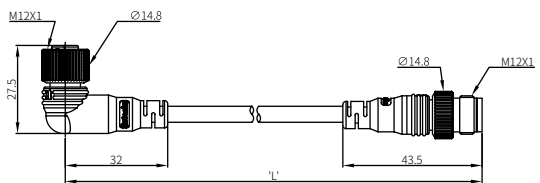
• Plug-Male : Plug-Male



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



• Socket-Female, L type : Plug-Male



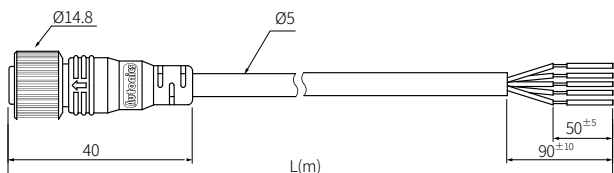
M12 Connector 5-Pin

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>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><tr><td>5</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																			
	M12 (Plug-Male)					7 m	CID5-7														
						1 m	CID5-1P														
						2 m	CID5-2P														
						3 m	CID5-3P														
5 m			CID5-5P																		
7 m			CID5-7P																		

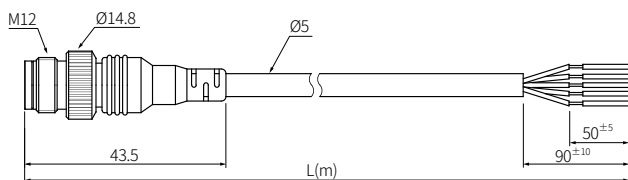
■ Dimensions

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

• Socket-Female



• Plug-Male

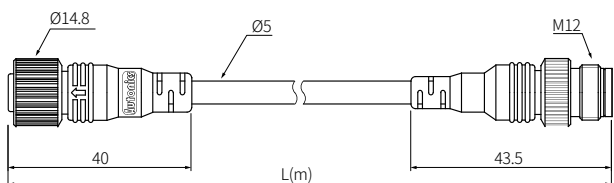


Power	Connector 1		Connector 2		Connection		Length	Feature	Application	Model
DC	M12 (Socket-Female)	5-pin 	M12 (Plug-Male)	5-pin 	Connector 1 Pin no.	Connector 2 Pin no.	1 m	PVC	Safety non-contact door switches	C1D5-1
					1	→ 1	2 m			C1D5-2
					2	→ 2	3 m			C1D5-3
					3	→ 3	5 m			C1D5-5
					4	→ 4	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	Specification
DC	M12 (Socket-Female)		8-wire	AWG 24 (0.1 mm, 32-core), Insulator diameter: Ø1.17 mm	<u>Pin no.</u>	<u>Color</u>	2 m	 Drag chain type	Smart cameras ⁰¹⁾	CIDM8-2-A	1522901/PUR/2.0-Phoenixcontact
	1				→ White	5 m	CIDM8-5-A			1522888-Phoenixcontact	
	2				→ Brown	10 m	CIDM8-10-A			1522891-Phoenixcontact	
	3				→ Green	2 m	CLDM8-2-A			1522956/PUR/2.0-Phoenixcontact	
	4				→ Yellow		CLDM8-5-A			1522930-Phoenixcontact	
	5				→ Gray		5 m			CLDM8-10-A	1522943-Phoenixcontact
	6				→ Pink						
	7				→ Blue						
	8	→ Red	10 m								
	M12 (Socket-Female), L type										
	M12 (Socket-Female)		8-wire	AWG 24 (0.1 mm, 32-core), Insulator diameter: Ø1.17 mm	<u>Pin no.</u>	<u>Color</u>	3 m	Transmitter	 Safety light curtains ⁰²⁾	CID8-3T	Material PUR / PVC
	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			
	6				→ Black	10 m	Transmitter	CID8-10T			
	7				→ White		Receiver	CID8-10R			
8	→ Brown										

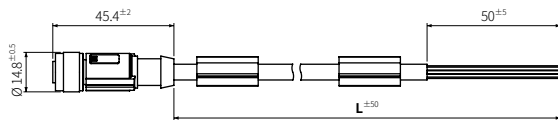
01) The cable for smart cameras are marked the specification.

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

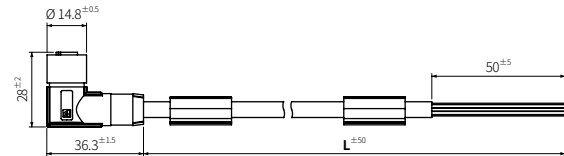
■ Dimensions

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

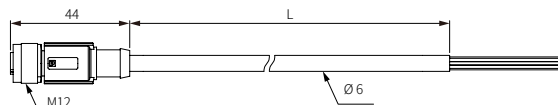
• Socket-Female (for smart cameras)



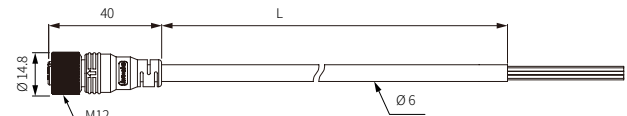
• Socket-Female, L type (for smart cameras)



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



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



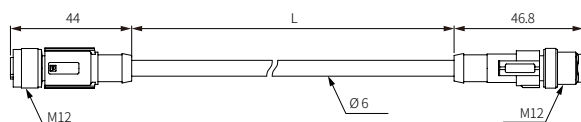
Power	Connector 1		Connector 2	Connection		Length	Feature	Application	Model	Specification		
DC	M12 (Socket-Female)		M12 (Plug-Male)		Connector 1 Pin no.	Connector 2 Pin no.	3 m	Transmitter	Safety light curtains ⁽⁰¹⁾	C1D8-3T	Material PUR / PVC	
								Receiver		C1D8-3R		
					1	→ 1		5 m		Transmitter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

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

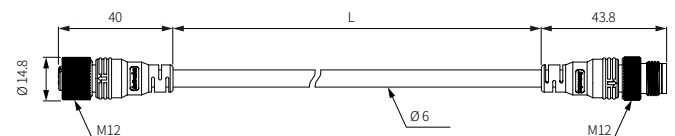
■ Dimensions

• 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)



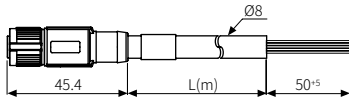
M12 Connector 12-Pin

Power	Connector 1		Connector 2	Wire spec.	Connection				Length	Application	Model																												
DC	M12 (Socket-Female)	 12-pin	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	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																																					

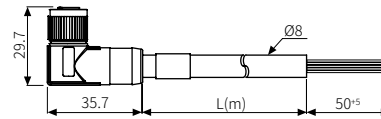
■ Dimensions

- 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

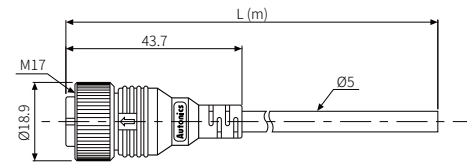


M17 Connector Cable

M17 Connector 6-Pin								
Connector 1		Connector 2	Wire spec.	Connection		Length	Application	Model
M17 (Socket-Female)		6-wire	AWG 22 (0.08 mm, 40-core), Insulator diameter: Ø1 mm	Pin no.	Wiring	2 m	Incremental rotary encoders (Totem pole output/ NPN open collector output / Voltage output)	CID6S-2
				1	Black	5 m		CID6S-5
				2	White			CID6S-10
				3	Orange			CID6S-15
				4	Brown			
				5	Blue			
				6	Shield	15 m		

■ Dimensions

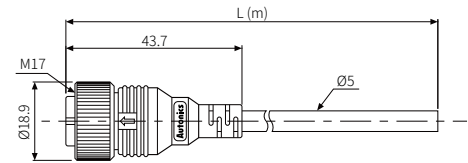
- Unit: mm, For the detailed drawings, follow the Autonics website.
- Socket-Female



M17 Connector 9-Pin										
Connector 1		Connector 2	Wire spec.	Connection		Length	Application	Model		
M17 (Socket-Female)		9 -wire	AWG 22 (0.08 mm, 40-core), Insulator diameter: Ø1 mm	Pin no.	Wiring	Pin no.	Wiring	2 m	Incremental rotary encoders (Line driver output)	CID9S-2
				1	Black	6	Gray			
				2	Red	7	Orange			
				3	Brown	8	Yellow			
				4	Blue	9	Shield			
5	White			10 m		CID9S-10				

■ Dimensions

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



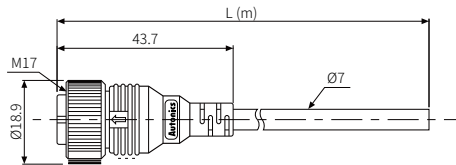
M17 Connector 13-Pin

Connector 1		Connector 2	Wire spec.	Connection				Length	Application	Model
M17 (Socket-Female)		13-wire	AWG 22 (0.08 mm, 40-core), Insulator diameter: Ø1 mm	Pin no.	Wiring	Pin no.	Wiring	2 m	-	CID13S-2
				1	Brown	8	White/ Brown			CID13S-5
				2	Red	9	White/ Red	5 m		CID13S-10
				3	Orange	10	White/ Orange			CID13S-10
				4	Yellow	11	Shield	10 m		CID13S-10
				5	Blue	12	White			CID13S-10
				6	Purple	13	Black			CID13S-10
				7	Gray					

■ Dimensions

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

• Socket-Female

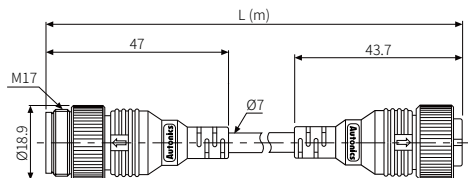


Connector 1		Connector 2		Connection				Length	Application	Model
M17 (Socket-Female)		M17 (Plug-Male)		Connector 1 Pin no.	Connector 2 Pin no.	Connector 1 Pin no.	Connector 2 Pin no.	2 m	-	CID13P-2-SI
				1	→ 1	8	→ 8	5 m		CID13P-5-SI
				2	→ 2	9	→ 9	10 m		CID13P-10-SI
				3	→ 3	10	→ 10			
				4	→ 4	11	→ 11			
				5	→ 5	12	→ 12			
				6	→ 6	13	→ 13			
				7	→ 7					

■ Dimensions

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

• Socket-Female : Plug-Male

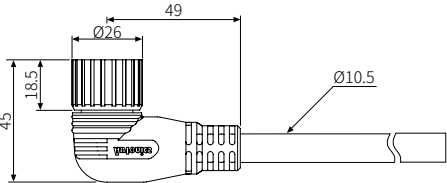


M23 Connector Cable

M23 Connector 12-Pin												
Connector 1		Connector 2	Connection					Length	Feature	Application	Model	
M23 (Socket-Female)	12-pin 	11 -wire	Pin no.	Wiring	Spec.	Pin no.	Wiring	Spec.	4 m	Oil resistant PVC	Distribution boxes	CLDH12C-040
			1	White	AWG22	7	Black	AWG17	6 m			CLDH12C-060
			2	Green		8	Purple		7 m			CLDH12C-070
			3	Yellow		9	Blue		8 m			CLDH12C-080
			4	Gray	10	-						
			5	Pink	11	Brown						
			6	Red	12	Green / Yellow						

■ Dimensions

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



M23 Connector 19-Pin													
Connector 1		Connector 2	Connection					Length	Feature	Application	Model		
M23 (Socket-Female)		19-wire	Pin no.	Wiring	Spec.	Pin no.	Wiring	Spec.	4 m	Oil resistant PVC	Distribution boxes	CLDH19C-040	
			1	Purple	AWG22	11	Black	AWG22				6 m	CLDH19C-060
			2	Red		12	Green / Yellow	AWG17					7 m
			3	Gray		13	Yellow / Brown	AWG22	8 m				
			4	Red / Blue	14	Brown / Green	AWG17				CLDH19C-080		
			5	Green	15	White							
			6	Blue	16	Yellow							
			7	Gray / Pink	17	Pink							
			8	White / Green	18	Gray / Brown							
			9	White / Yellow	19	Brown							
			10	White / Gray									

■ Dimensions

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

