

Connection Cables - Sensor and Signal

M12 A-coded Cable to Pigtail

Features

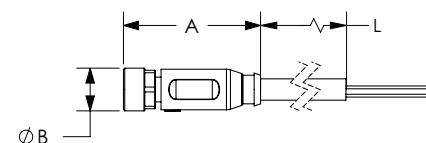
- Industry standard axial and 90-degree M12 screw-lock connectors with open leads
- Cables listed can be used with patch cables
- 2m [6.5 ft], 3m [9.8 ft], 5m [16.4 ft], 7m [22.9 ft], 10m [32.8 ft] and 15m [49.2 ft] cable lengths
- PVC (polyvinyl chloride) jacketed cable for general use and chemical washdown applications, ex. food & beverage industry
- PUR (polyurethane) jacketed cable for applications with exposure to oil and dynamic applications requiring more flexibility
- PP (polypropylene) wire insulation for low temperature applications
- TPE (thermoplastic elastomer) wire insulation for applications requiring high flexibility



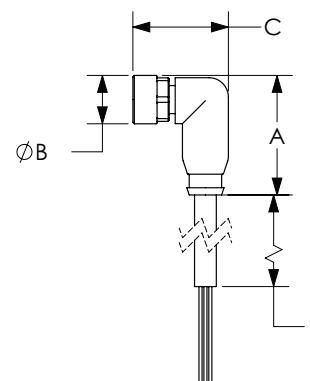
Dimensions

M12 A-coded Cable to Pigtail									
Part Number	Price	Number of Wires	Connector	Cable Jacket/Wire Insulation Material	Jacket Color	Dimensions			
						A	B	C	L
						mm			m [ft]
CD12M-0B-050-A1*	\$14.00	3	Axial female	PVC/PVC	Black	38	15	—	5 [16.4]
CD12M-0B-050-C1*	\$14.00		90-degree female	PVC/PVC		39	15	28	
CD12M-0D-050-A1-A*	\$16.00		Axial female	PUR/PP	Black	38	15	—	
CD12M-0D-050-C1-A*	\$16.00		90-degree female	PUR/PP		39	15	28	
7000-12181-2130500*	\$8.75		Axial female	PVC/PVC	Gray	38	15	—	
7000-12321-2130500*	\$8.75		90-degree female	PVC/PVC		39	15	28	
7000-12181-0330500*	\$13.00		Axial female	PUR/PP	Yellow	38	15	—	
7000-12321-0330500*	\$13.00		90-degree female	PUR/PP		39	15	28	
CD12L-0B-020-A0	\$11.00	4	Axial female	PVC/PVC	Gray	38	15	—	2 [6.5]
CD12L-0B-020-C0	\$11.00		90-degree female			39	15	28	[6.5]
CD12M-0B-070-A1	\$18.00		Axial female			38	15	—	7 [22.9]
CD12M-0B-070-C1	\$18.00		90-degree female			39	15	28	[22.9]
7000-12221-0340200	\$10.00		Axial female	PUR/PP	Yellow	38	15	—	2 [6.5]
7000-12341-0340200	\$10.00		90-degree female	PUR/PP		39	15	28	[6.5]
7000-12221-0340700	\$18.00		Axial female	PUR/PP		38	15	—	7 [22.9]
7000-12341-0340700	\$18.00		90-degree female	PUR/PP		39	15	28	[22.9]
7000-12221-0341000	\$22.00		Axial female	PUR/PP		38	15	—	10 [32.8]
7000-12341-0341000	\$22.00		90-degree female	PUR/PP		39	15	29	[32.8]
7000-12221-0341500	\$30.00		Axial female	PUR/PP		38	15	—	15 [49.2]
7000-12341-0341500	\$30.00		90-degree female	PUR/PP		39	15	29	[49.2]
7000-12221-2141000	\$21.00		Axial female	PVC/PVC	Gray	38	15	—	10 [32.8]
7000-12341-2141000	\$21.00		90-degree female			39	15	29	[32.8]
7000-12221-2141500	\$27.00		Axial female			38	15	—	15 [49.2]
7000-12341-2141500	\$27.00		90-degree female			39	15	29	[49.2]

* Note: Do not use with sensors that require 4-wires cables.
Continued on next page.



Axial female



90-degree female

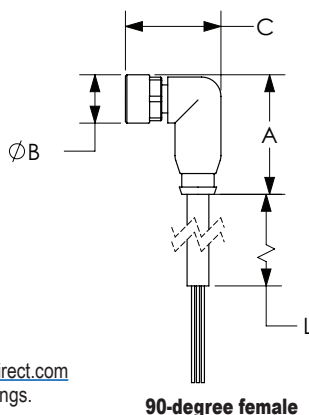
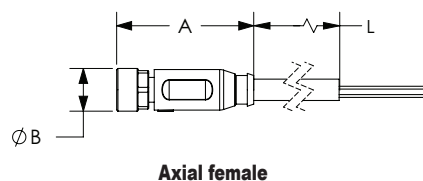
See our website: www.AutomationDirect.com for complete engineering drawings.

Connection Cables - Sensor and Signal

M12 A-coded Cable to Pigtail (continued)

M12 A-coded Cable to Pigtail										
Part Number	Price	Number of Wires	Connector	Cable Jacket/Wire Insulation Material	Jacket Color	Dimensions				
						A	B	C	L	
						mm			m [ft]	
7000-12241-0350300	\$14.00	5	Axial female	PUR/PP	Yellow	38	15	–	3	
7000-12361-0350300	\$14.00		90-degree female	PUR/PP		39	15	28	[9.8]	
7000-12241-0350500	\$18.00		Axial female	PUR/PP		38	15	–		
7000-12361-0350500	\$18.00		90-degree female	PUR/PP		39	15	28		
7000-12241-0351000	\$28.00		Axial female	PUR/PP		38	15	–		
7000-12361-0351000	\$28.00		90-degree female	PUR/PP		39	15	28		
7000-12241-2150300	\$12.50			Axial female	PVC/PVC		38	15	–	3
7000-12361-2150300	\$12.50			90-degree female			39	15	28	[9.8]
7000-12241-2150500	\$17.50			Axial female			38	15	–	5
7000-12361-2150500	\$17.50			90-degree female			39	15	28	[16.4]
7000-12241-2151000	\$25.00			Axial female			38	15	–	10
7000-12361-2151000	\$25.00			90-degree female			39	15	28	[32.8]
7000-17041-2920300	\$28.00	8	Axial female		Gray	44.5	15	–	3	
7000-17061-2920300	\$28.00		90-degree female			39	15	32	[9.8]	
7000-17041-2920500	\$36.50		Axial female			44.5	15	–	5	
7000-17061-2920500	\$36.50		90-degree female			39	15	32	[16.4]	
7000-17041-2921000	\$55.00		Axial female			44.5	15	–	10	
7000-17061-2921000	\$55.00		90-degree female			39	15	32	[32.8]	
7000-17041-2950300	\$29.50		Axial female			44.5	15	–	3	
7000-17061-2950300	\$29.50		90-degree female			39	15	32	[9.8]	
7000-17041-2950500	\$37.00		Axial female			44.5	15	–	5	
7000-17061-2950500	\$37.00		90-degree female			39	15	32	[16.4]	
7000-17041-2951000	\$58.00		Axial female			44.5	15	–	10	
7000-17061-2951000	\$58.00		90-degree female			39	15	32	[32.8]	
7000-19041-7050300	\$47.00	12	Axial female	PUR/PP	Black	43.5	15	–	3	
7000-19061-7050300	\$47.00		90-degree female	PUR/TPE		39	15	32	[9.8]	
7000-19041-7050500	\$56.00		Axial female	PUR/PP		43.5	15	–	5	
7000-19061-7050500	\$56.00		90-degree female	PUR/TPE		39	15	32	[16.4]	
7000-19041-7051000	\$83.00		Axial female	PUR/PP		43.5	15	–	10	
7000-19061-7051000	\$83.00		90-degree female	PUR/TPE		39	15	32	[32.8]	

Dimensions



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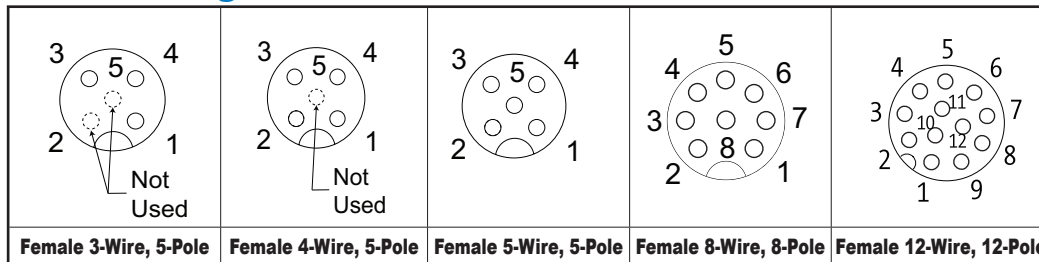
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M12 A-coded Cable to Pigtail Specifications

Model	CD12 Series			7000 Series			
Type	3-Wire, 5-Pole	4-Wire, 5-Pole	3-Wire, 5-Pole	4-Wire, 5-Pole	5-Wire, 5-Pole	8-Wire, 8-Pole	12-Wire, 12-Pole
Max Voltage	250 VAC/VDC				125 VAC/VDC	30 VAC/VDC	
Max Voltage - UL Rating	N/A - not UL recognized		30 VAC/VDC				
Max Current Per Contact	4A					2A	1.5 A
Protection Degree	IP65 / IP66K / IP67						
Nut Material	Female threads are nickel plated die cast zinc						
Cable Jacket/Wire Insulation Material	PUR/PP or PVC/PVC		PVC/PVC or PUR/PP or PUR/PVC			PUR/PP	PUR/PP or PUR/TPE
Contacts Material	Copper Alloy						
Tightening Torque	≤ 0.6 N·m [≤ 0.44 ft·lb]						
Conductors Cross Section	0.34 mm² [22AWG]					0.25 mm² [24AWG]	0.14 mm² [26AWG]
Ø Outer Cable For PUR/PVC or PVC/PVC or PUR-PVC/PVC	4.6 mm [0.18 in]	5.0 mm [0.20 in]	PVC/PVC 4.6 mm [0.18 in] PUR/PVC 4.9 mm [0.19 in]	PVC/PVC 5.0 mm [0.20 in] PUR/PVC/PVC 5.2 mm [0.20 in]	PVC/PVC 5.2 mm [0.20 in] PUR-PVC/PVC 5.9 mm [0.23 in]	N/A	
Ø Outer Cable For PUR/PP or PUR/TPE	4.1 mm [0.16 in]	N/A	4.1 mm [0.16 in]	4.5mm [0.18 in]	4.8 mm [0.19 in]	5.8 mm [0.23 in]	6.0 mm [0.24 in]
Temperature Range - Stationary Use	PUR/PP -40 to 80°C [-40 to 176°F], PUR/PVC or PVC/PVC -30 to 80°C [-22 to 176°F]					PUR/PP -40 to 80C [-40 to 176F] PUR/TPE -25 to 80C [-13 to 176F]	
Temperature Range - Flexible Use	PUR/PP -25 to 80°C [-13 to 176°F]; PVC/PVC or PUR/PVC -5 to 80°C [23 to 176°F]					PUR/PP and PUR/TPE -25 to 80°C [-13 to 176°F]	
Min Bend Radius	Stationary use: 5 x cable diameter; Flexible use: 10 x cable diameter						
Approvals*	CE, cCSAus		cULus, UKCA, cCSAus				

*To obtain the most current agency approval information, see the Agency Compliance & Certifications Checklist section on the specific part number's web page.

Contact Diagrams



Wiring Diagrams

