

Connection Cables - Sensor and Signal

M12 A-coded Cable to Pigtail

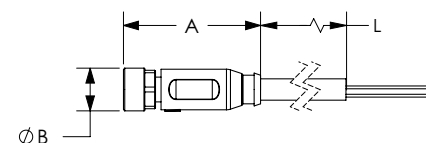
Features

- 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

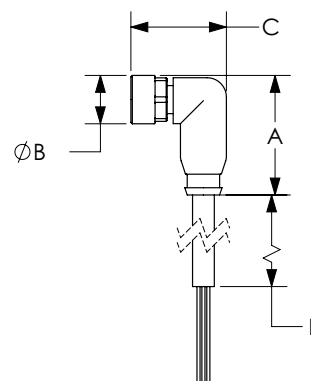


Dimensions

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*	\$09eq:	3	Axial female	PVC/PVC	Black	38	15	–	5 [16.4]
CD12M-0B-050-C1*	\$09es:		90-degree female			39	15	28	
CD12M-0D-050-A1-A*	\$5z#:.		Axial female	PUR/PP		38	15	–	
CD12M-0D-050-C1-A*	\$5z!0:		90-degree female	PUR/PP		39	15	28	
7000-12181-2130500*	\$-1le0:		Axial female	PVC/PVC	Gray	38	15	–	
7000-12321-2130500*	\$-1le1:		90-degree female			39	15	28	
7000-12181-0330500*	\$5z#b:		Axial female	PUR/PP	Yellow	38	15	–	
7000-12321-0330500*	\$-5z#j:		90-degree female	PUR/PP		39	15	28	
CD12L-0B-020-A0	\$07bc:	4	Axial female	PVC/PVC	Gray	38	15	–	2 [6.5]
CD12L-0B-020-C0	\$07bd:		90-degree female			39	15	28	[6.5]
CD12M-0B-070-A1	\$097o:		Axial female			38	15	–	7 [22.9]
CD12M-0B-070-C1	\$097p:		90-degree female			39	15	28	[22.9]
7000-12221-0340200	\$5z#c:		Axial female	PUR/PP	Yellow	38	15	–	2 [6.5]
7000-12341-0340200	\$5z#k:		90-degree female	PUR/PP		39	15	28	[6.5]
7000-12221-0340700	\$5z#d:		Axial female	PUR/PP		38	15	–	7 [22.9]
7000-12341-0340700	\$-5z#l:		90-degree female	PUR/PP		39	15	28	[22.9]
7000-12221-0341000	\$5z#e:		Axial female	PUR/PP		38	15	–	10 [32.8]
7000-12341-0341000	\$5z#n:		90-degree female	PUR/PP		39	15	29	[49.2]
7000-12221-0341500	\$5z#f:		Axial female	PUR/PP		38	15	–	15 [49.2]
7000-12341-0341500	\$5z#o:		90-degree female	PUR/PP		39	15	29	[49.2]
7000-12221-2141000	\$07b8:		Axial female	PVC/PVC	Gray	38	15	–	10 [32.8]
7000-12341-2141000	\$07ba:		90-degree female			39	15	29	[32.8]
7000-12221-2141500	\$07b9:		Axial female			38	15	–	15 [49.2]
7000-12341-2141500	\$07bb:		90-degree female			39	15	29	[49.2]



Axial female



90-degree female

* Note: Do not use with sensors that require 4-wires cables.
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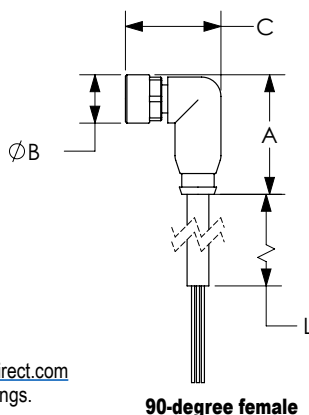
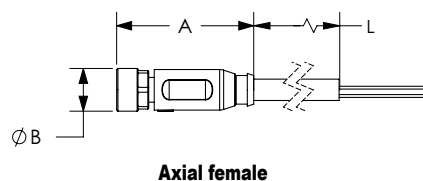
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M12 A-coded Cable to Pigtail (continued)

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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	\$5z#g:	5	Axial female	PUR/PP	Yellow	38	15	—	3
7000-12361-0350300	\$5z#p:		90-degree female	PUR/PP		39	15	28	[9.8]
7000-12241-0350500	\$5z#h:		Axial female	PUR/PP		38	15	—	
7000-12361-0350500	\$5z#q:		90-degree female	PUR/PP		39	15	28	
7000-12241-0351000	\$-5z#i:		Axial female	PUR/PP		38	15	—	
7000-12361-0351000	\$5z#s:		90-degree female	PUR/PP		39	15	28	
7000-12241-2150300	\$07bh:		Axial female	PVC/PVC	Gray	38	15	—	3
7000-12361-2150300	\$07bk:		90-degree female			39	15	28	[9.8]
7000-12241-2150500	\$-07bi:		Axial female			38	15	—	5
7000-12361-2150500	\$-07bl:		90-degree female			39	15	28	[16.4]
7000-12241-2151000	\$-07bj:		Axial female			38	15	—	10
7000-12361-2151000	\$07bn:		90-degree female			39	15	28	[32.8]
7000-17041-2920300	\$-1ldg:	Axial female	PUR/PP	Gray		44.5	15	—	3
7000-17061-2920300	\$--1ldj:	90-degree female				39	15	32	[9.8]
7000-17041-2920500	\$-1ldh:	Axial female				44.5	15	—	5
7000-17061-2920500	\$-1ldk:	90-degree female				39	15	32	[16.4]
7000-17041-2921000	\$--1ldi:	Axial female				44.5	15	—	10
7000-17061-2921000	\$--1ldl:	90-degree female				39	15	32	[32.8]
7000-17041-2950300	\$07bq:	Axial female				44.5	15	—	3
7000-17061-2950300	\$07bu:	90-degree female				39	15	32	[9.8]
7000-17041-2950500	\$07bs:	Axial female				44.5	15	—	5
7000-17061-2950500	\$07bv:	90-degree female				39	15	32	[16.4]
7000-17041-2951000	\$;07bt:	Axial female				44.5	15	—	10
7000-17061-2951000	\$07bx:	90-degree female				39	15	32	[32.8]
7000-19041-7050300	\$07b2:	12	Axial female	PUR/PP	Black	43.5	15	—	3
7000-19061-7050300	\$07b5:		90-degree female	PUR/TPE		39	15	32	[9.8]
7000-19041-7050500	\$07b3:		Axial female	PUR/PP		43.5	15	—	5
7000-19061-7050500	\$07b6:		90-degree female	PUR/TPE		39	15	32	[16.4]
7000-19041-7051000	\$07b4:		Axial female	PUR/PP		43.5	15	—	10
7000-19061-7051000	\$07b7:		90-degree female	PUR/TPE		39	15	32	[32.8]

Dimensions



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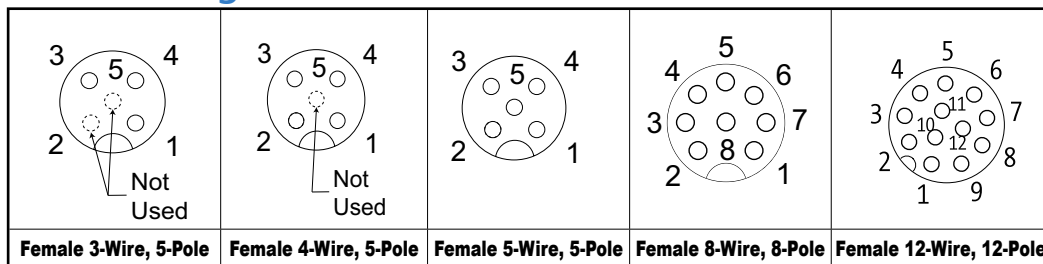
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M12 A-coded Cable to Pigtail Specifications

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

