

# M12 Cables w/ Quick-disconnect Plugs

## Overview and Selection

- Industry standard axial and right-angle M12 screw-lock connectors with open leads. The cables listed can be used with patch cables
- 2m, 3m, 5m, 7m, 10m and 15m cable lengths
- PVC (polyvinyl chloride) jacket for typical industrial applications
- PUR/PVC (polyvinyl/polyurethane) jacket for oily and drag chain applications
- PUR (polyurethane) jacket for oily, direct sunlight, and robotic applications

M12 Quick-Disconnect Cables (Euro, Micro DC-Single Key)									
Part Number	Price	Poles	Connector	Jacket		Dimensions			
				Material	Color	A	B	C	L
						mm			m [ft]
<b>CD12M-0B-050-A1*</b>	\$10.50	3	Axial female	PVC	Black	38	15	—	5 [16.4]
<b>CD12M-0B-050-C1*</b>	\$10.50		Right-angle female		Gray	39	15	28	
<b>CD12M-0D-050-A1*</b>	\$12.50	3	Axial female	PUR	Black	38	15	—	5 [16.4]
<b>CD12M-0D-050-C1*</b>	\$12.50		Right-angle female		Gray	39	15	28	
<b>7000-12181-2130500*</b>	\$6.00	3	Axial female	PVC	Gray	38	15	—	5 [16.4]
<b>7000-12321-2130500*</b>	\$6.00		Right-angle female			39	15	28	
<b>7000-12181-0230500*</b>	\$8.50	3	Axial female	PUR/ PVC	Yellow	38	15	—	5 [16.4]
<b>7000-12321-0230500*</b>	\$8.50		Right-angle female			39	15	28	
<b>CD12L-0B-020-A0</b>	\$8.25	4	Axial female	PVC	Gray	38	15	—	2 [6.5]
<b>CD12L-0B-020-C0</b>	\$8.25		Right-angle female			39	15	28	
<b>CD12M-0B-070-A1</b>	\$13.00	4	Axial female	PVC	Gray	38	15	—	7 [22.9]
<b>CD12M-0B-070-C1</b>	\$13.00		Right-angle female			39	15	28	
<b>7000-12221-0240200</b>	\$6.50	4	Axial female	PUR/ PVC	Yellow	38	15	—	2 [6.5]
<b>7000-12341-0240200</b>	\$6.50		Right-angle female			39	15	28	
<b>7000-12221-0240700</b>	\$12.50	4	Axial female	PUR/ PVC	Yellow	38	15	—	7 [22.9]
<b>7000-12341-0240700</b>	\$12.50		Right-angle female			39	15	28	
<b>7000-12221-0241000</b>	\$15.00	4	Axial female	PUR/ PVC	Yellow	38	15	—	10 [32.8]
<b>7000-12341-0241000</b>	\$15.00		Right-angle female			39	15	29	
<b>7000-12221-0241500</b>	\$20.50	4	Axial female	PUR/ PVC	Yellow	38	15	—	15 [49.2]
<b>7000-12341-0241500</b>	\$20.50		Right-angle female			39	15	29	
<b>7000-12221-2141000</b>	\$15.00	4	Axial female	PVC	Gray	38	15	—	10 [32.8]
<b>7000-12341-2141000</b>	\$15.00		Right-angle female			39	15	29	
<b>7000-12221-2141500</b>	\$20.00	4	Axial female	PVC	Gray	38	15	—	15 [49.2]
<b>7000-12341-2141500</b>	\$20.00		Right-angle female			39	15	29	
<b>7000-12241-0250300</b>	\$10.00	5	Axial female	PUR/ PVC	Yellow	38	15	—	3 [9.8]
<b>7000-12361-0250300</b>	\$10.00		Right-angle female			39	15	28	
<b>7000-12241-0250500</b>	\$12.50	5	Axial female	PUR/ PVC	Yellow	38	15	—	5 [16.4]
<b>7000-12361-0250500</b>	\$12.50		Right-angle female			39	15	28	
<b>7000-12241-0251000</b>	\$19.50	5	Axial female	PUR/ PVC	Yellow	38	15	—	10 [32.8]
<b>7000-12361-0251000</b>	\$19.50		Right-angle female			39	15	28	
<b>7000-12241-2150300</b>	\$9.50	5	Axial female	PVC	Gray	38	15	—	3 [9.8]
<b>7000-12361-2150300</b>	\$9.50		Right-angle female			39	15	28	
<b>7000-12241-2150500</b>	\$12.00	5	Axial female	PVC	Gray	38	15	—	5 [16.4]
<b>7000-12361-2150500</b>	\$12.00		Right-angle female			39	15	28	
<b>7000-12241-2151000</b>	\$18.00	5	Axial female	PVC	Gray	38	15	—	10 [32.8]
<b>7000-12361-2151000</b>	\$18.00		Right-angle female			39	15	28	

Continued on next page.

\* Note: Do not use with sensors that require 4-pole cables.



**CD12M-0B-050-A1**  
**CD12M-0B-050-C1**



**CD12M-0D-050-A1**  
**CD12M-0D-050-C1**



**7000-12181-2130500**  
**7000-12321-2130500**



**7000-12181-0230500**  
**7000-12321-0230500**



**CD12L-0B-020-A0**  
**CD12L-0B-020-C0**



**7000-12221-2141000**  
**7000-12341-2141000**



**7000-12221-0240200**  
**7000-12341-0240200**



**7000-12241-0250300**  
**7000-12361-0250300**

# M12 Cables w/ Quick-disconnect Plugs

## Selection and Specifications

M12 Quick-Disconnect Cables (Euro, Micro DC-Single Key)									
Part Number	Price	Poles	Connector	Jacket		Dimensions			
				Material	Color	A	B	C	L
						mm			m [ft]
7000-17041-2920300	\$21.00	8	Axial female	PUR	Gray	44.5	15	-	3
7000-17061-2920300	\$21.00		Right-angle female			39	15	32	[9.8]
7000-17041-2920500	\$26.50	8	Axial female			44.5	15	-	5
7000-17061-2920500	\$26.50		Right-angle female			39	15	32	[16.4]
7000-17041-2921000	\$40.00	8	Axial female			44.5	15	-	10
7000-17061-2921000	\$40.00		Right-angle female			39	15	32	[32.8]
7000-17041-2950300	\$22.00	8	Axial female	PUR (UL/CSA)	Gray	44.5	15	-	3
7000-17061-2950300	\$22.00		Right-angle female			39	15	32	[9.8]
7000-17041-2950500	\$27.00	8	Axial female			44.5	15	-	5
7000-17061-2950500	\$27.00		Right-angle female			39	15	32	[16.4]
7000-17041-2951000	\$42.00	8	Axial female			44.5	15	-	10
7000-17061-2951000	\$42.00		Right-angle female			39	15	32	[32.8]
7000-19041-7050300	\$34.00	12	Axial female	PUR (UL/CSA)	Black	43.5	15	-	3
7000-19061-7050300	\$34.00		Right-angle female			39	15	32	[9.8]
7000-19041-7050500	\$41.00	12	Axial female			43.5	15	-	5
7000-19061-7050500	\$41.00		Right-angle female			39	15	32	[16.4]
7000-19041-7051000	\$60.00	12	Axial female			43.5	15	-	10
7000-19061-7051000	\$60.00		Right-angle female			39	15	32	[32.8]

Note: Dimensional drawings and wiring diagrams on next page.



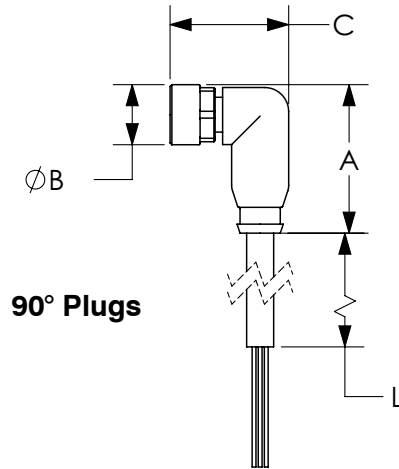
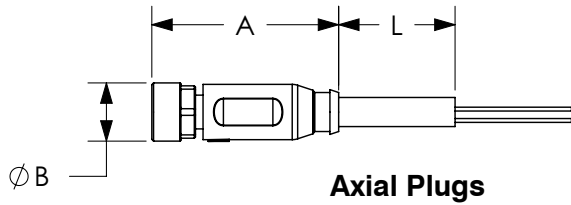
Specifications				
Model	CD12 Series			7000 Series
Length	2m [6.5 ft]	7m [23ft]	5m [16.4 ft]	All cable lengths
Nominal Voltage	250V AC/DC		250V AC/DC	50VAC / 60VDC
Max Current	4A			
Protection Degree	IP67		IP65 / IP68 / IP69K	IP65 / IP66K / IP67
Material Nut	Nickel plated brass			
Housing Material	PUR or PVC			PUR or PVC or PUR/PVC
Contacts Material	Gold plated Copper-Tin Alloy (CuSn)			
Tightening Torque	0.5 N-m	≤ 0.4 N-m		≤ 0.4 N-m
Conductors Cross Section	0.25 mm² [24 AWG]			
Ø Outer Cable	5mm	PVC: 4mm / PUR: 4mm		3 pole: 4.5 mm / 4 pole: 4.8 mm
Temperature Range	-25° to +80°C [-13° to +176°F]	-25° to +90°C [-13° to +194°F]		-25° to +85°C [-13° to +185°F]
Environmental	N/A	Halogen and Silicone free		Halogen, Silicone, CFC, Cadmium, and Lead free
Bending Radius Drag Chain (Roller Cable Tray)	min. 10 x cable diameter			
Agency Approvals	RoHS			UL, CSA, CE

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

# Sensor Cables and Connectors

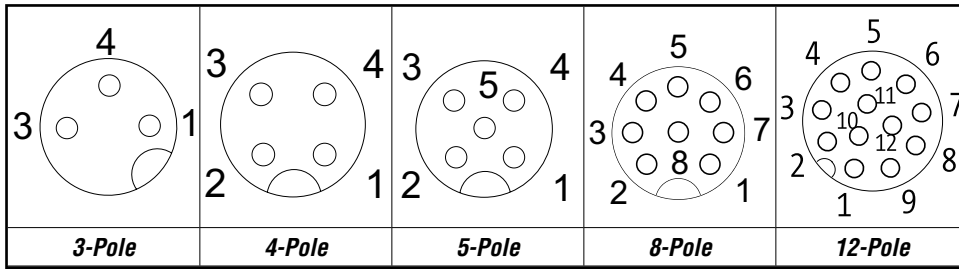
## M12 Cables with Quick-disconnect Plugs (continued...)

### Dimensions



See our website: [www.AutomationDirect.com](http://www.AutomationDirect.com) for complete engineering drawings.

### Contact Diagrams



### Wiring Diagrams

