

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]
CD12M-0B-050-A1*	\$10.50	3	Axial female	PVC	Black	38	15	—	5 [16.4]
CD12M-0B-050-C1*	\$10.50		Right-angle female		Gray	39	15	28	
CD12M-0D-050-A1*	\$12.50	3	Axial female	PUR	Black	38	15	—	5 [16.4]
CD12M-0D-050-C1*	\$12.50		Right-angle female		Gray	39	15	28	
7000-12181-2130500*	\$6.25	3	Axial female	PVC	Gray	38	15	—	5 [16.4]
7000-12321-2130500*	\$6.25		Right-angle female			39	15	28	
7000-12181-0230500*	\$8.75	3	Axial female	PUR/ PVC	Yellow	38	15	—	5 [16.4]
7000-12321-0230500*	\$8.75		Right-angle female			39	15	28	
CD12L-0B-020-A0	\$8.25	4	Axial female	PVC	Gray	38	15	—	2 [6.5]
CD12L-0B-020-C0	\$8.25		Right-angle female			39	15	28	
CD12M-0B-070-A1	\$13.00	4	Axial female	PVC	Gray	38	15	—	7 [22.9]
CD12M-0B-070-C1	\$13.00		Right-angle female			39	15	28	
7000-12221-0240200	\$6.75	4	Axial female	PUR/ PVC	Yellow	38	15	—	2 [6.5]
7000-12341-0240200	\$6.75		Right-angle female			39	15	28	
7000-12221-0240700	\$13.00	4	Axial female	PUR/ PVC	Yellow	38	15	—	7 [22.9]
7000-12341-0240700	\$13.00		Right-angle female			39	15	28	
7000-12221-0241000	\$15.50	4	Axial female	PUR/ PVC	Yellow	38	15	—	10 [32.8]
7000-12341-0241000	\$15.50		Right-angle female			39	15	29	
7000-12221-0241500	\$21.00	4	Axial female	PUR/ PVC	Yellow	38	15	—	15 [49.2]
7000-12341-0241500	\$21.00		Right-angle female			39	15	29	
7000-12221-2141000	\$15.50	4	Axial female	PVC	Gray	38	15	—	10 [32.8]
7000-12341-2141000	\$15.50		Right-angle female			39	15	29	
7000-12221-2141500	\$20.50	4	Axial female	PVC	Gray	38	15	—	15 [49.2]
7000-12341-2141500	\$20.50		Right-angle female			39	15	29	
7000-12241-0250300	\$10.50	5	Axial female	PUR/ PVC	Yellow	38	15	—	3 [9.8]
7000-12361-0250300	\$10.50		Right-angle female			39	15	28	
7000-12241-0250500	\$13.00	5	Axial female	PUR/ PVC	Yellow	38	15	—	5 [16.4]
7000-12361-0250500	\$13.00		Right-angle female			39	15	28	
7000-12241-0251000	\$20.00	5	Axial female	PUR/ PVC	Yellow	38	15	—	10 [32.8]
7000-12361-0251000	\$20.00		Right-angle female			39	15	28	
7000-12241-2150300	\$9.75	5	Axial female	PVC	Gray	38	15	—	3 [9.8]
7000-12361-2150300	\$9.75		Right-angle female			39	15	28	
7000-12241-2150500	\$12.50	5	Axial female	PVC	Gray	38	15	—	5 [16.4]
7000-12361-2150500	\$12.50		Right-angle female			39	15	28	
7000-12241-2151000	\$18.50	5	Axial female	PVC	Gray	38	15	—	10 [32.8]
7000-12361-2151000	\$18.50		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	\$21.50	8	Axial female	PUR	Gray	44.5	15	-	3		
7000-17061-2920300	\$21.50		Right-angle female			39	15	32	[9.8]		
7000-17041-2920500	\$27.50	8	Axial female			44.5	15	-	5		
7000-17061-2920500	\$27.50		Right-angle female			39	15	32	[16.4]		
7000-17041-2921000	\$41.00	8	Axial female			44.5	15	-	10		
7000-17061-2921000	\$41.00		Right-angle female			39	15	32	[32.8]		
7000-17041-2950300	\$22.50	8	Axial female			PUR (UL/CSA)	Gray	44.5	15	-	3
7000-17061-2950300	\$22.50		Right-angle female					39	15	32	[9.8]
7000-17041-2950500	\$28.00	8	Axial female					44.5	15	-	5
7000-17061-2950500	\$28.00		Right-angle female					39	15	32	[16.4]
7000-17041-2951000	\$43.50	8	Axial female					44.5	15	-	10
7000-17061-2951000	\$43.50		Right-angle female					39	15	32	[32.8]
7000-19041-7050300	\$35.00	12	Axial female	PUR (UL/CSA)	Black			43.5	15	-	3
7000-19061-7050300	\$35.00		Right-angle female					39	15	32	[9.8]
7000-19041-7050500	\$42.00	12	Axial female					43.5	15	-	5
7000-19061-7050500	\$42.00		Right-angle female					39	15	32	[16.4]
7000-19041-7051000	\$62.00	12	Axial female					43.5	15	-	10
7000-19061-7051000	\$62.00		Right-angle female					39	15	32	[32.8]

Note: Dimensional drawings and wiring diagrams on next page.



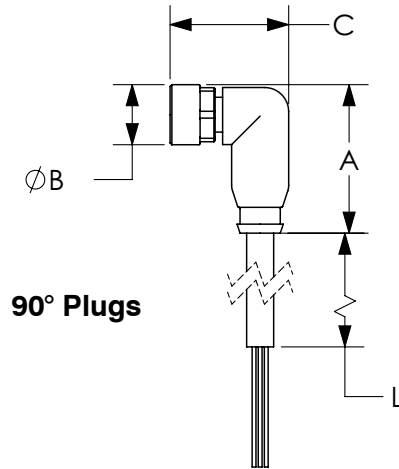
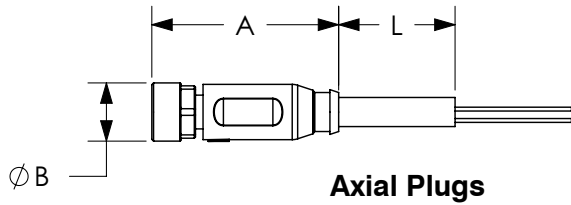
Specifications				
Model	CD12 Series			7000 Series
Length	2m [6.5 ft]	7m [23ft]	5m [16.4 ft]	All cable lengths
Nominal Voltage	250V AC/DC		250V AC/DC	50VAC / 60VDC
Max Current	4A			
Protection Degree	IP67		IP65 / IP68 / IP69K	IP65 / IP66K / IP67
Material Nut	Nickel plated brass			
Housing Material	PUR 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 mm ² [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	CSA			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

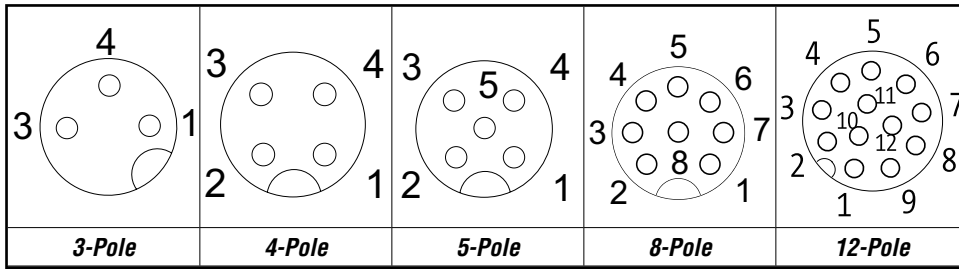
M12 Cables with Quick-disconnect Plugs (continued...)

Dimensions



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

Contact Diagrams



Wiring Diagrams

