



Connection Cables Sensor and Signal

M12 A-coded Male to M8 A-coded Female Cables

Features

- Industry standard M8 and M12 screw-lock connectors
- One male and one female connector
- Axial and right-angle connector models
- 1m [3.2ft], 3m [9.8ft], 5m [16.4ft], and 10m [32.8ft] cable lengths
- PVC (polyvinyl chloride) jacketed cable for general use and chemical washdown applications, e.g. food and beverage industry
- PUR (polyurethane) jacketed cable for applications with exposure to oil and dynamic applications requiring more flexibility



7000-40581-2110300

7000-40621-2110300

M12 A-coded Male to M8 A-coded Female Cables													
Part Number	Price	Connection 1	Connection 2	Jacket		Length	Application	Drawing Link					
				Material	Color								
7000-40581-2110100	\$25.00	M12 axial male with male threads A-coded 4-Wire, 5-Pole	M8 axial female with female threads A-coded 4-Wire, 4-Pole	PVC		1m [3.2ft]	Sensor & signal	PDF					
7000-40581-2110300	\$29.00					3m [9.8ft]		PDF					
7000-40581-2110500	\$33.00					5m [16.4ft]		PDF					
7000-40581-2111000	\$43.00					10m [32.8ft]		PDF					
7000-40581-2310100	\$27.00					1m [3.2ft]		PUR		1m [3.2ft]	Sensor & signal Drag chain	PDF	
7000-40581-2310300	\$32.00					3m [9.8ft]						PDF	
7000-40581-2310500	\$38.00					5m [16.4ft]						PDF	
7000-40581-2311000	\$60.00					10m [32.8ft]						PDF	
7000-40621-2110100	\$27.00		M12 axial male with male threads A-coded 4-Wire, 5-Pole	M8 axial female with female threads A-coded 4-Wire, 4-Pole	PVC	Gray	1m [3.2ft]	Sensor & signal	PDF				
7000-40621-2110300	\$29.00						3m [9.8ft]		PDF				
7000-40621-2110500	\$34.00						5m [16.4ft]		PDF				
7000-40621-2111000	\$40.00						10m [32.8ft]		PDF				
7000-40621-2310100	\$28.00						1m [3.2ft]		PUR		1m [3.2ft]	Sensor & signal Drag chain	PDF
7000-40621-2310300	\$33.00						3m [9.8ft]						PDF
7000-40621-2310500	\$39.00						5m [16.4ft]						PDF
7000-40621-2311000	\$60.00						10m [32.8ft]						PDF
7000-40621-2510100	\$30.00	M8 right-angle female with female threads A-coded 4-Wire, 4-Pole					1m [3.2ft]	Sensor & signal Drag chain Robot	PDF				
7000-40621-2510300	\$40.00						3m [9.8ft]		PDF				
7000-40621-2510500	\$53.00						5m [16.4ft]		PDF				



stay connected

Connection Cables Data

M12 A-coded Male to M8 A-coded Female Cables

Specifications					
Model	40581		40621		
Type	211	231	211	231	251
Max Voltage	50-60 VAC/VDC				
Max Voltage - UL Rating	30 VAC/VDC				
Max Current Per Contact	4A				
Protection Degree	IP65 IP66K IP67				
Nut Material	Nickel-plated zinc				
Cable Jacket/Wire Insulation Material	PVC/PVC	PUR/PP	PVC/PVC	PUR/PP	
Contacts Material	Copper alloy				
Tightening Torque	M12 0.6 N·m [0.44 ft·lb] M8 ≤ 0.4 N·m [≤ 0.29 ft·lb]				
Conductors Cross Section	0.25 mm ² [24 AWG]				
Outer Cable Diameter Ø	4.8mm [0.19in] ±5%	4.5mm [0.18in] ±5%	4.8mm [0.19in] ±5%	4.5mm [0.18in] ±5%	4.7mm [0.19in] ±5%
Min Bend Radius	Stationary use: 5 x cable diameter Flexible use: 10 x cable diameter				
Temperature Range - Stationary Use	-30 to +80 °C [-22 to +176 °F]	-40 to +80 °C [-40 to +176 °F]	-30 to +80 °C [-22 to +176 °F]	-40 to +80 °C [-40 to +176 °F]	
Temperature Range - Flexible Use	-5 to +80 °C [+23 to +176 °F]	-25 to +80 °C [-13 to +176 °F]	-5 to +80 °C [+23 to +176 °F]	-25 to +80 °C [-13 to +176 °F]	
Approvals*	cULus, CE, 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.

Wiring Diagram

LEGEND
■ MALE PIN ON CONNECTOR
○ FEMALE PIN ON CONNECTOR
(FIELD CONNECTION TERMINAL

