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# M8 Bulkhead Connectors

## M8 A-coded Bulkhead Connector to Pigtail

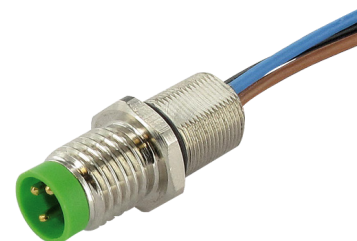
### Features

- Male M8 to open leads connectors
- Metal housings

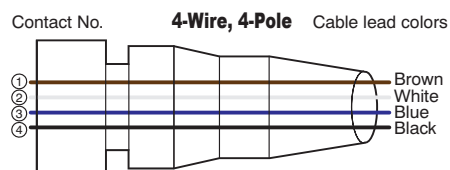
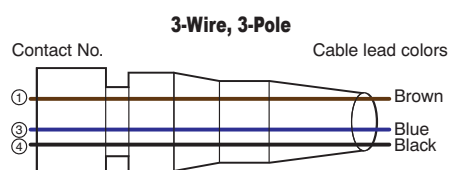
M8 A-coded Bulkhead Connectors to Pigtail					
Part Number	Price	Cable Length	Number of Wires	Connector	Drawing Link
<a href="#">7000-08553-9700050</a>	\$11.00	0.5 m [1.64 ft]	3	Axial male	<a href="#">PDF</a>
<a href="#">7000-08563-9690050</a>	\$12.00		4		<a href="#">PDF</a>
<a href="#">7000-08553-9700100</a>	\$12.00	1m [3.28 ft]	3		<a href="#">PDF</a>
<a href="#">7000-08563-9690100</a>	\$12.50		4		<a href="#">PDF</a>

M8 A-coded Bulkhead Connectors to Pigtail Specifications		
Model	08553	08563
Type	3-Wire, 3-Pole	4-Wire, 4-Pole
Nominal Voltage	50VAC / 60VDC	
Max Current Per Contact	4A	
Protection Degree	IP67 in mated condition and tightened NEMA 3, 4, 6P (UL50E)	
Threaded Material	Nickel plated brass	
Cable Jacket material	Polyurethane (PUR)	
Contacts Material	Copper Alloy	
Conductors Cross Section	0.25 mm <sup>2</sup> [24AWG]	
Mounting Hole Diameter	8.2 mm; max mounting material thickness: 4.5 mm	
Tightening Torque	≤ 0.4 N·m [≤ 0.34 ft-lb]	
Temperature Range	-40 to 90°C [-40 to 194°F]	
Approvals*	cURus	

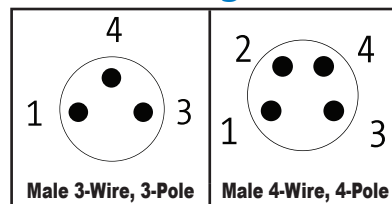
\*To obtain the most current agency approval information, see the Agency Compliance & Certifications Checklist section on the specific part number's web page.



### Wiring Diagrams



### Contact Diagrams





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# M12 Bulkhead Connectors

## M12 A-coded Bulkhead Connectors

### Features

- Male or female M12 to pigtail open leads
- Male M12 to female M12 connectors
- Metal housings
- IP67 rated



7000-42111-0000000



7231-13501-9710050



7231-13541-9710050

### M12 A-coded Bulkhead Connectors

Part Number	Price	Cable Length m [ft]	Number of Wires	Connector	Drawing Link
<a href="#">7000-42111-0000000</a>	\$20.50	N/A	5	Male to female	<a href="#">PDF</a>
<a href="#">7000-48111-0000000</a>	\$27.00		8		<a href="#">PDF</a>
<a href="#">7231-13501-9710050</a>	\$10.50	0.5 [1.64]	4	Male to leads	<a href="#">PDF</a>
<a href="#">7231-13541-9710050</a>	\$10.50			Female to leads	<a href="#">PDF</a>
<a href="#">7231-13501-9710100</a>	\$11.50	1 [3.28]		Male to leads	<a href="#">PDF</a>
<a href="#">7231-13541-9710100</a>	\$11.50			Female to leads	<a href="#">PDF</a>
<a href="#">7231-13521-9720050</a>	\$11.50	0.5 [1.64]	5	Male to leads	<a href="#">PDF</a>
<a href="#">7231-13561-9720050</a>	\$11.50			Female to leads	<a href="#">PDF</a>
<a href="#">7231-13521-9720100</a>	\$12.50	1 [3.28]		Male to leads	<a href="#">PDF</a>
<a href="#">7231-13561-9720100</a>	\$12.50			Female to leads	<a href="#">PDF</a>
<a href="#">7231-17161-9730050</a>	\$18.50	0.5 [1.64]	8	Male to leads	<a href="#">PDF</a>
<a href="#">7231-17181-9730050</a>	\$18.50			Female to leads	<a href="#">PDF</a>
<a href="#">7231-17161-9730100</a>	\$19.50	1 [3.28]		Male to leads	<a href="#">PDF</a>
<a href="#">7231-17181-9730100</a>	\$19.50			Female to leads	<a href="#">PDF</a>
<a href="#">7000-17162-9730050</a>	\$17.50	0.5 [1.64]	8	Male to leads	<a href="#">PDF</a>
<a href="#">7000-17162-9820050</a>	\$17.50				<a href="#">PDF</a>
<a href="#">7000-19162-9790050</a>	\$26.00		12		<a href="#">PDF</a>
<a href="#">7000-17162-9730100</a>	\$19.00	1 [3.28]	8		<a href="#">PDF</a>
<a href="#">7000-17162-9820100</a>	\$19.00				<a href="#">PDF</a>
<a href="#">7000-19162-9790100</a>	\$27.00		12		<a href="#">PDF</a>

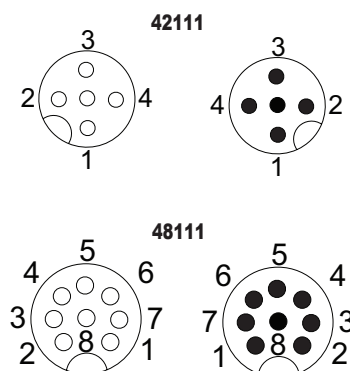
### M12 A-coded Bulkhead Connectors Specifications

Model	42111, 48111		13501, 13541	13521, 13561	17161, 17181, 17162	19162
Type	5-Wire, 5-Pole	8-Wire, 8-Pole	4-Wire, 5-Pole	5-Wire, 5-Pole	8-Wire, 8-Pole	12-Wire, 12-Pole
Max Voltage	60 VAC/VDC	30 VAC/VDC	250 VAC/VDC	125 VAC/VDC	30 VAC/VDC	
Max Voltage - UL Rating	30 VAC/VDC		250 VAC/VDC	125 VAC/VDC	30 VAC/VDC	
Max Current Per Contact	4A	2A	4A		2A	1.5 A
Protection Degree	IP65 / IP67 NEMA 3, 4, 6P (UL50E)		IP67 in mated condition and tightened, NEMA 3, 4, 6P (UL50E)			
Threaded Material	Male threads are nickel plated brass; Female threads are nickel plated die cast zinc					
Wire Insulation Material	N/A		PUR			PP
Contacts Material	Copper Alloy					
Conductors Cross Section	N/A		0.34 mm² [22AWG]		0.25 mm² [24AWG]	0.14mm²[26AWG]
Mounting Hole Diameter	16.1 mm; maximum mounting material thickness: 4.5 mm					
Tightening Torque	≤ 0.6 N·m [ ≤ 0.44 ft-lb]					
Temperature Range	-25 to 85°C [-13 to 185°F]		-40 to 90°C [-40 to 194°F]		-25 to 85°C [-13 to 185°F]	
Approvals *	cULus		UR			

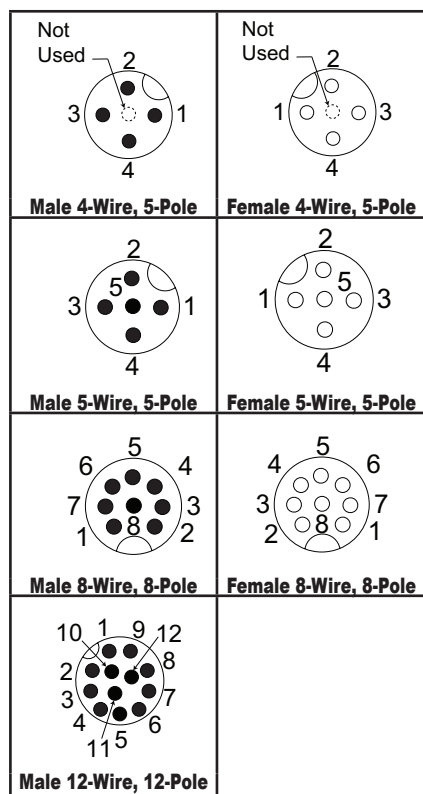
\*To obtain the most current agency approval information, see the Agency Compliance & Certifications Checklist section on the specific part number's web page.

# M12 Bulkhead Connectors

## Contact Diagrams

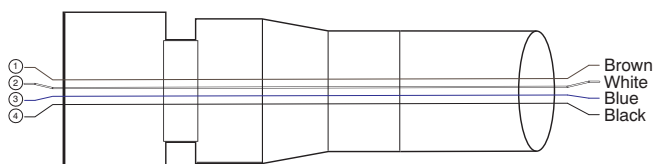


### All other models

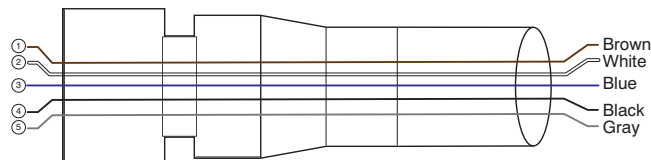


## Wiring Diagrams

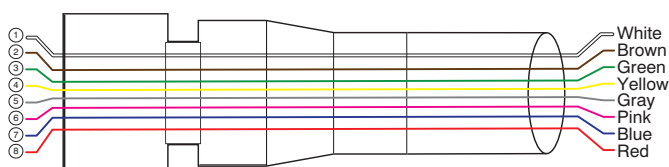
Contact No. **4-Wire, 5-Pole** Cable lead colors



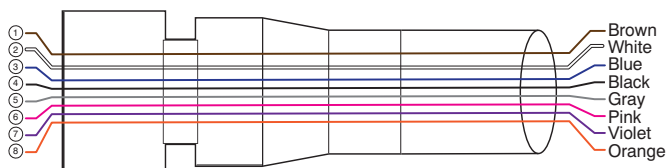
Contact No. **5-Wire, 5-Pole** Cable lead colors



Contact No. **8-Wire, 8-Pole (973 models)** Cable lead colors



Contact No. **8-Wire, 8-Pole (982 models)** Cable lead colors



Contact No. **12-Wire, 12-Pole (979 models)** Cable lead colors

