

# Connectivity Solutions







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# M12 PVC Cordsets

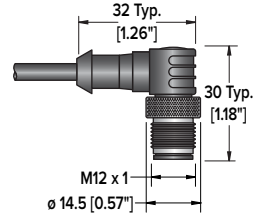
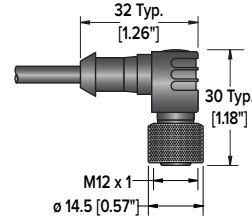
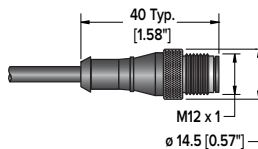
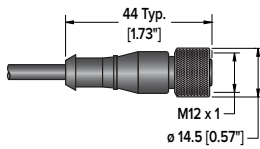
**Cable:** PVC jacket, PUR (polyurethane) connector body, nickel-plated brass coupling nut

**Vibration Shock:** Meets IEC 60068-2-6 requirements

**Mechanical Shock:** Meets IEC 60068-2-27 requirements

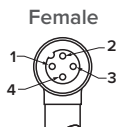
**Temperature:** -40° to +70 °C

**Environmental Rating:** IP66, IP67, IP68, NEMA 1, UL Type 1

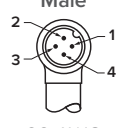


## 4-Pin (Voltage: 250 V DC/AC, Current: 4 A)

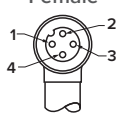


	Length	Straight	Right-Angle	Pinout
4-Pin Female QD to Flying Leads	1 m	BC-M12F4-22-1	BC-M12F4A-22-1	 <p>Female</p> <p>1 = Brown 2 = White 3 = Blue 4 = Black</p> <p>22 AWG Cable ø – 5.2 mm</p>
	2 m	BC-M12F4-22-2	BC-M12F4A-22-2	
	5 m	BC-M12F4-22-5	BC-M12F4A-22-5	
	8 m	BC-M12F4-22-8	BC-M12F4A-22-8	
	10 m	BC-M12F4-22-10	BC-M12F4A-22-10	
	15 m	BC-M12F4-22-15	BC-M12F4A-22-15	

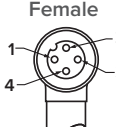


	Length	Straight	Right-Angle	Pinout
4-Pin Male QD to Flying Leads	1 m	BC-M12M4-22-1	—	 <p>Male</p> <p>1 = Brown 2 = White 3 = Blue 4 = Black</p> <p>22 AWG Cable ø – 5.2 mm</p>
	2 m	BC-M12M4-22-2	—	
	5 m	BC-M12M4-22-5	—	
	8 m	BC-M12M4-22-8	—	
	10 m	BC-M12M4-22-10	—	



	Length	Straight/Straight (Female/Male)	Straight/Right-Angle (Female/Male)	Pinout
4-Pin Double-Ended	0.3 m	BC-M12F4-M12M4-22-0.3	BC-M12F4-M12M4A-22-0.3	 <p>Female</p> <p>1 = Brown 2 = White 3 = Blue 4 = Black</p> <p>22 AWG Cable ø – 5.2 mm</p>
	0.5 m	BC-M12F4-M12M4-22-0.5	—	
	1 m	BC-M12F4-M12M4-22-1	BC-M12F4-M12M4A-22-1	
	2 m	BC-M12F4-M12M4-22-2	BC-M12F4-M12M4A-22-2	
	3 m	BC-M12F4-M12M4-22-3	—	
	4 m	BC-M12F4-M12M4-22-4	—	
	5 m	BC-M12F4-M12M4-22-5	BC-M12F4-M12M4A-22-5	
	6 m	BC-M12F4-M12M4-22-6	—	
	10 m	BC-M12F4-M12M4-22-10	BC-M12F4-M12M4A-22-10	
	15 m	BC-M12F4-M12M4-22-15	BC-M12F4-M12M4A-22-15	



	Length	Straight	Right-Angle	Pinout
4-Pin Female QD to Flying Leads Open Shield with Drain Wire	2 m	BC-M12F4-22-2-SF	BC-M12F4A-22-2-SF	 <p>Female</p> <p>1 = Brown 2 = White 3 = Blue 4 = Black</p> <p>22 AWG Cable ø – 5.2 mm</p>
	5 m	BC-M12F4-22-5-SF	—	
	10 m	BC-M12F4-22-10-SF	BC-M12F4A-22-10-SF	

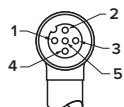
\*Not all models are shown. Please contact Banner for other available lengths and double-ended styles.

# M12 PVC Cordsets

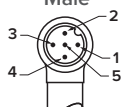


## 5-Pin (Voltage: 60 V DC/AC, Current: 4 A)

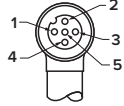
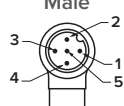


	Length	Straight	Right-Angle	Pinout
5-Pin Female QD to Flying Leads	1 m	BC-M12F5-22-1	BC-M12F5A-22-1	 <p>Female</p> <p>1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray</p>
	2 m	BC-M12F5-22-2	BC-M12F5A-22-2	
	5 m	BC-M12F5-22-5	BC-M12F5A-22-5	
	8 m	BC-M12F5-22-8	BC-M12F5A-22-8	
	10 m	BC-M12F5-22-10	BC-M12F5A-22-10	
	15 m	BC-M12F5-22-15	—	22 AWG Cable ø – 5.6 mm

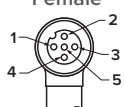


5-Pin Male QD to Flying Leads	1 m	BC-M12M5-22-1	—	 <p>Male</p> <p>1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray</p>
	2 m	BC-M12M5-22-2	—	
	5 m	BC-M12M5-22-5	—	
	8 m	BC-M12M5-22-8	—	
	10 m	BC-M12M5-22-10	—	
				22 AWG Cable ø – 5.6 mm



	Length	Straight/Straight (Female/Male)	Straight/Right-Angle	Pinout
5-Pin Double-Ended	1 m	BC-M12F5-M12M5-22-1	—	 <p>Female</p> <p>1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray</p>  <p>Male</p> <p>1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray</p>
	2 m	BC-M12F5-M12M5-22-2	—	
	5 m	BC-M12F5-M12M5-22-5	—	
	8 m	BC-M12F5-M12M5-22-8	—	
	10 m	BC-M12F5-M12M5-22-10	—	
				22 AWG Cable ø – 5.6 mm



	Length	Straight	Right-Angle	Pinout
5-Pin Female QD to Flying Leads Open Shield with Drain Wire	2 m	BC-M12F5-22-2-SF	BC-M12F5A-22-2-SF	 <p>Female</p> <p>1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray</p>
	5 m	BC-M12F5-22-5-SF	BC-M12F5A-22-5-SF	
	9 m	BC-M12F5-22-10-SF	BC-M12F5A-22-10-SF	
	15 m	BC-M12F5-22-15-SF	—	
				22 AWG Cable ø – 5.7 mm


\*Not all models are shown. Please contact Banner for other available lengths and double-ended styles.

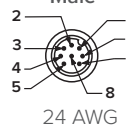
# M12 PVC Cordsets

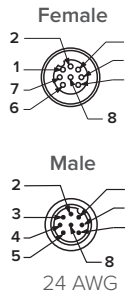


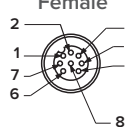
## 8-Pin (Voltage: 30 V DC/AC, Current: 2 A)



	Length	Straight	Right-Angle	Pinout
8-Pin Female to Flying Leads	1 m	BC-M12F8-24-1	—	 <p>Female</p> <p>24 AWG</p> <p>1 = White 5 = Gray 2 = Brown 6 = Pink 3 = Green 7 = Blue 4 = Yellow 8 = Red</p> <p>Cable ø – 5.9 mm</p>
	2 m	BC-M12F8-24-2	—	
	5 m	BC-M12F8-24-5	—	
	10 m	BC-M12F8-24-10	—	

8-Pin Male to Flying Leads	1 m	BC-M12M8-24-1	—	 <p>Male</p> <p>24 AWG</p> <p>1 = White 5 = Gray 2 = Brown 6 = Pink 3 = Green 7 = Blue 4 = Yellow 8 = Red</p> <p>Cable ø – 5.9 mm</p>
	2 m	BC-M12M8-24-2	—	
	5 m	BC-M12M8-24-5	—	
	10 m	BC-M12M8-24-10	—	

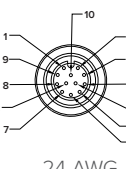
	Length	Straight/Straight (Female/Male)	Right-Angle/Straight	Pinout
8-Pin Double-Ended	1 m	BC-M12F8-M12M8-24-1	—	 <p>Female</p> <p>Male</p> <p>24 AWG</p> <p>1 = White 5 = Gray 2 = Brown 6 = Pink 3 = Green 7 = Blue 4 = Yellow 8 = Red</p> <p>Cable ø – 5.9 mm</p>
	2 m	BC-M12F8-M12M8-24-2	—	
	5 m	BC-M12F8-M12M8-24-5	—	
	8 m	BC-M12F8-M12M8-24-8	—	
	10 m	BC-M12F8-M12M8-24-10	—	

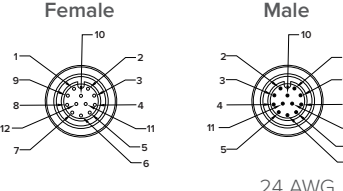
	Length	Straight	Right-Angle	Pinout
8-Pin Female QD to Flying Leads Open Shield with Drain Wire	1 m	BC-M12F8-24-1-SF	—	 <p>Female</p> <p>24 AWG</p> <p>1 = White 5 = Gray 2 = Brown 6 = Pink 3 = Green 7 = Blue 4 = Yellow 8 = Red</p> <p>Cable ø – 5.6 mm</p>
	2 m	BC-M12F8-24-2-SF	BC-M12F8A-24-2-SF	
	5 m	BC-M12F8-24-5-SF	BC-M12F8A-24-5-SF	
	10 m	BC-M12F8-24-10-SF	BC-M12F8A-24-10-SF	
	15 m	BC-M12F8-24-15-SF	—	



## 12-Pin (Voltage: 30 V DC/AC, Current: 2 A)



	Length	Straight	Right-Angle	Pinout
12-Pin Female to Flying Leads	2 m	BC-M12F12-24-2	BC-M12F12A-24-2	 <p>Female</p> <p>24 AWG</p> <p>1 = White 7 = Blue 2 = Brown 8 = Red 3 = Green 9 = Orange 4 = Yellow 10 = Tan 5 = Gray 11 = Black 6 = Pink 12 = Violet</p> <p>Cable ø – 6.4 mm</p>
	5 m	BC-M12F12-24-5	BC-M12F12A-24-5	
	10 m	BC-M12F12-24-10	BC-M12F12A-24-10	

	Length	Straight/Straight (Female/Male)	Pinout
12-Pin Double-Ended	2 m	BC-M12F12-M12M12-24-2	 <p>Female</p> <p>Male</p> <p>24 AWG</p> <p>1 = White 7 = Blue 2 = Brown 8 = Red 3 = Green 9 = Orange 4 = Yellow 10 = Tan 5 = Gray 11 = Black 6 = Pink 12 = Violet</p> <p>Cable ø – 6.4 mm</p>
	5 m	BC-M12F12-M12M12-24-5	
	10 m	BC-M12F12-M12M12-24-10	

\*Not all models are shown. Please contact Banner for other available lengths and double-ended styles.

# Legacy M12 PVC Cordsets

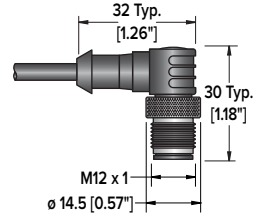
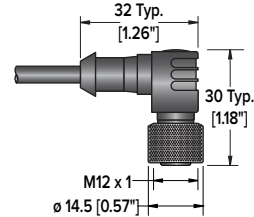
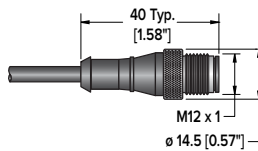
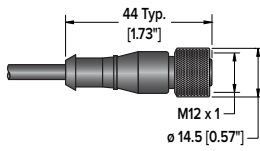
**Cable:** PVC jacket, PUR (polyurethane) connector body, nickel-plated brass coupling nut

**Vibration Shock:** Meets IEC 60068-2-6 requirements

**Mechanical Shock:** Meets IEC 60068-2-27 requirements

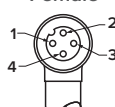
**Temperature:** -40° to +70 °C

**Environmental Rating:** IP66, IP67, IP68, NEMA 1, UL Type 1

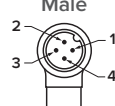


## 4-Pin (Voltage: 250 V DC/AC, Current: 4 A)

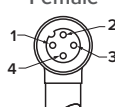


	Length	Straight	Right-Angle	Pinout
4-Pin Female QD to Flying Leads	1 m	MQDC-403	—	 <p>Female</p> <p>1 = Brown 2 = White 3 = Blue 4 = Black</p>
	2 m	MQDC-406	MQDC-406RA	
	3 m	MQDC-410	—	
	5 m	MQDC-415	MQDC-415RA	
	9 m	MQDC-430	MQDC-430RA	
	15 m	MQDC-450	MQDC-450RA	
	18 m	MQDC-460	MQDC-460RA	
	21 m	MQDC-470	MQDC-470RA	
	30 m	MQDC-4100	MQDC-4100RA	
				22 AWG Cable ø – 5.2 mm

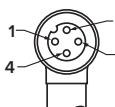


	Length	Straight	Right-Angle	Pinout
4-Pin Male QD to Flying Leads	2 m	MQDMC-406	MQDMC-406RA	 <p>Male</p> <p>1 = Brown 2 = White 3 = Blue 4 = Black</p>
	5 m	MQDMC-415	MQDMC-415RA	
	9 m	MQDMC-430	MQDMC-430RA	
				22 AWG Cable ø – 5.2 mm



	Length	Straight/Straight (Female/Male)	Straight/Right-Angle (Female/Male)	Pinout
4-Pin Double-Ended	0.3 m	MQDEC-401SS	MQDEC-401RS	 <p>Female</p> <p>1 = Brown 2 = White 3 = Blue 4 = Black</p>
	0.6 m	MQDEC-402SS	—	
	0.9 m	MQDEC-403SS	MQDEC-403RS	
	1.8 m	MQDEC-406SS	MQDEC-406RS	
	3.0 m	MQDEC-410SS	—	
	3.6 m	MQDEC-412SS	MQDEC-412RS	
	4.5 m	MQDEC-415SS	—	
	6.1 m	MQDEC-420SS	MQDEC-420RS	
	9.2 m	MQDEC-430SS	MQDEC-430RS	
	15.2 m	MQDEC-450SS	MQDEC-450RS	
				22 AWG Cable ø – 5.2 mm



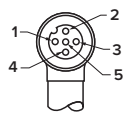
	Length	Straight	Right-Angle	Pinout
4-Pin Female QD to Flying Leads Open Shield with Drain Wire	2 m	MQDEC2-406	MQDEC2-406RA	 <p>Female</p> <p>1 = Brown 2 = White 3 = Blue 4 = Black</p>
	5 m	MQDEC2-415	MQDEC2-415RA	
	9 m	MQDEC2-430	MQDEC2-430RA	
	15 m	MQDEC2-450	MQDEC2-450RA	
				22 AWG Cable ø – 5.2 mm

\*Not all models are shown. Please contact Banner for other available lengths and double-ended styles.

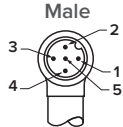
# Legacy M12 PVC Cordsets

## 5-Pin (Voltage: 60 V DC/AC, Current: 4 A)

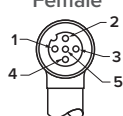


	Length	Straight	Right-Angle	Pinout
5-Pin Female QD to Flying Leads	0.9 m	MQDC1-503	—	 <p>Female</p> <p>1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray</p>
	2 m	MQDC1-506	MQDC1-506RA	
	5 m	MQDC1-515	MQDC1-515RA	
	9 m	MQDC1-530	MQDC1-530RA	
	18 m	MQDC1-560	—	
	30 m	MQDC1-5100	—	
				22 AWG Cable ø – 5.6 mm

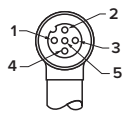


	Length	Straight	Right-Angle	Pinout
5-Pin Male QD to Flying Leads	2 m	MQDMC-506	MQDMC-506RA	 <p>Male</p> <p>1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray</p>
	5 m	MQDMC-515	MQDMC-515RA	
	9 m	MQDMC-530	MQDMC-530RA	
				22 AWG Cable ø – 5.6 mm



	Length	Straight/Straight (Female/Male)	Straight/Right-Angle	Pinout
5-Pin Double-Ended	0.3 m	MQDEC-501SS	—	 <p>Female</p> <p>1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray</p>
	1 m	MQDEC-503SS	—	
	2 m	MQDEC-506SS	—	
	5 m	MQDEC-515SS	—	
	9 m	MQDEC-530SS	—	
	15 m	MQDEC-550SS	—	
				22 AWG Cable ø – 5.6 mm



	Length	Straight	Right-Angle	Pinout
5-Pin Female QD to Flying Leads Open Shield with Drain Wire	2 m	MQDEC2-506	MQDEC2-506RA	 <p>Female</p> <p>1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray</p>
	5 m	MQDEC2-515	MQDEC2-515RA	
	9 m	MQDEC2-530	MQDEC2-530RA	
	15 m	MQDEC2-550	MQDEC2-550RA	
	23 m	MQDEC2-575	MQDEC2-575RA	
	30 m	MQDEC2-5100	MQDEC2-5100RA	
				22 AWG Cable ø – 5.7 mm

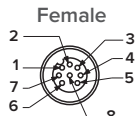
\*Not all models are shown. Please contact Banner for other available lengths and double-ended styles.



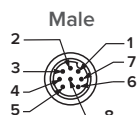
# Legacy M12 PVC Cordsets

## 8-Pin (Voltage: 30 V DC/AC, Current: 2 A)

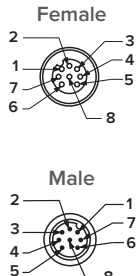


	Length	Straight	Right-Angle	Pinout
8-Pin Female to Flying Leads	2 m	MQDC1-806	MQDC1-806RA	 <p>Female</p> <p>1 = White 5 = Gray 2 = Brown 6 = Pink 3 = Green 7 = Blue 4 = Yellow 8 = Red</p> <p>24 AWG Cable ø – 5.9 mm</p>
	5 m	MQDC1-815	MQDC1-815RA	
	9 m	MQDC1-830	MQDC1-830RA	
	15 m	MQDC1-850	MQDC1-850RA	
	30 m	MQDC1-8100	—	

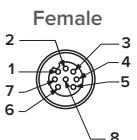


8-Pin Male to Flying Leads	2 m	MQDMC1-806	—	 <p>Male</p> <p>1 = White 5 = Gray 2 = Brown 6 = Pink 3 = Green 7 = Blue 4 = Yellow 8 = Red</p> <p>24 AWG Cable ø – 5.9 mm</p>
	5 m	MQDMC1-815	—	
	9 m	MQDMC1-830	—	
	15 m	MQDMC1-850	—	



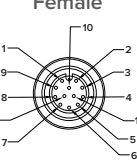
	Length	Straight/Straight (Female/Male)	Right-Angle/Straight	Pinout
8-Pin Double-Ended	1 m	MQDEC1-803SS	—	 <p>Female</p> <p>1 = White 5 = Gray 2 = Brown 6 = Pink 3 = Green 7 = Blue 4 = Yellow 8 = Red</p> <p>Male</p> <p>24 AWG Cable ø – 5.9 mm</p>
	2 m	MQDEC1-806SS	—	
	5 m	MQDEC1-815SS	—	
	9 m	MQDEC1-830SS	—	
	15 m	MQDEC1-850SS	—	
	30 m	MQDEC1-8100SS	—	



	Length	Straight	Right-Angle	Pinout
8-Pin Female QD to Flying Leads Open Shield with Drain Wire	2 m	MQDC2S-806	MQDC2S-806RA	 <p>Female</p> <p>1 = White 5 = Gray 2 = Brown 6 = Pink 3 = Green 7 = Blue 4 = Yellow 8 = Red</p> <p>24 AWG Cable ø – 5.6 mm</p>
	5 m	MQDC2S-815	MQDC2S-815RA	
	10 m	MQDC2S-830	MQDC2S-830RA	
	16 m	MQDC2S-850	MQDC2S-850RA	
	31 m	MQDC2S-8100	—	

## 12-Pin (Voltage: 30 V DC/AC, Current: 2 A)



	Length	Straight	Right-Angle	Pinout
12-Pin Female to Flying Leads	2 m	MQDC-1206	—	 <p>Female</p> <p>1 = White 7 = Blue 2 = Brown 8 = Red 3 = Green 9 = Orange 4 = Yellow 10 = Tan 5 = Gray 11 = Black 6 = Pink 12 = Violet</p> <p>24 AWG Cable ø – 6.35 mm</p>
	3 m	MQDC-1210	—	
	5 m	MQDC-1215	—	
	9 m	MQDC-1230	—	

\*Not all models are shown. Please contact Banner for other available lengths and double-ended styles.

# M12 PUR Cordsets

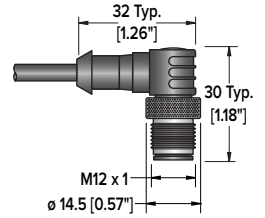
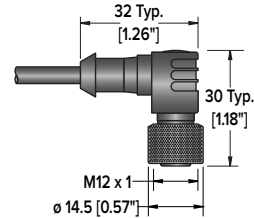
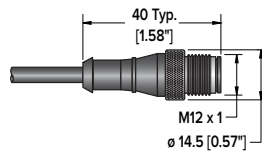
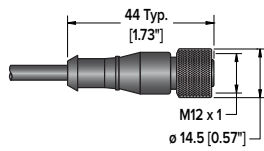
**Cable:** PUR jacket, PUR (polyurethane) connector body, nickel-plated brass coupling nut

**Vibration Shock:** Meets IEC 60068-2-6 requirements

**Mechanical Shock:** Meets IEC 60068-2-27 requirements

**Temperature:** -40° to +70 °C

**Environmental Rating:** IP66, IP67, IP68, NEMA 1, UL Type 1



## 4-Pin (Voltage: 250 V DC/AC, Current: 4 A)



	Length	Straight	Right-Angle	Pinout
4-Pin Female QD to Flying Leads	2 m	MQDC-406-PUR	MQDC-406RA-PUR	<p>Female 22 AWG Cable ø – 4.1 mm</p>
	5 m	MQDC-415-PUR	MQDC-415RA-PUR	
	10 m	MQDC-430-PUR	MQDC-430RA-PUR	



	Length	Straight/Straight (Female/Male)	Right-Angle/Straight (Female/Male)	Pinout
4-Pin Double-Ended	0.3 m	MQDEC-401SS-PUR	MQDEC-401SR-PUR	<p>Female 22 AWG Cable ø – 4.1 mm</p>
	0.6 m	MQDEC-402SS-PUR	MQDEC-402SR-PUR	
	1 m	MQDEC-403SS-PUR	MQDEC-403SR-PUR	
	2 m	MQDEC-406SS-PUR	MQDEC-406SR-PUR	<p>Male 22 AWG Cable ø – 4.1 mm</p>
	3 m	MQDEC-409SS-PUR	MQDEC-409SR-PUR	
	5 m	MQDEC-415SS-PUR	MQDEC-415SR-PUR	
	10 m	MQDEC-430SS-PUR	MQDEC-430SR-PUR	

\*Not all models are shown. Please contact Banner for other available lengths and double-ended styles.

# M12 Specialty Cordsets

## Lighted Cordsets

**Cable:** PVC jacket, translucent white PVC connector body, nickel-plated brass coupling nut

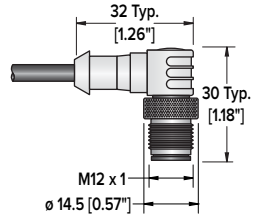
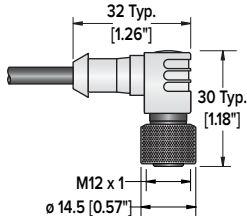
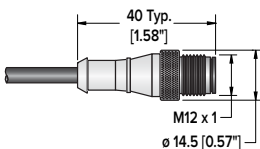
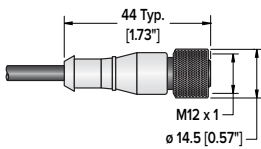
**Vibration Shock:** Meets IEC 60068-2-6 requirements

**Mechanical Shock:** Meets IEC 60068-2-27 requirements

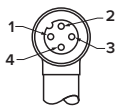
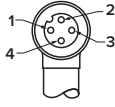
**Temperature:** Max current of 1.0 A: -40 to +60 °C  
Max current of 2.0 A: -40 to +55 °C  
Max current of 4.0 A: -40 to +45 °C

**Environmental Rating:** IP66, IP67, IP68, NEMA 1, UL Type 1

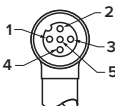
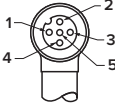
**LED Operation:** Green LED indicates power ON; Yellow LED overrides green LED when pin 4 is active



### 4-Pin (Voltage: 10 to 30 V DC at 15 mA max)

	Length	Straight	Right-Angle	Pinout
4-Pin PNP	2 m	MQDC-406-GYP	MQDC-406-GYPRA	 22 AWG Cable ø – 5.2 mm
	5 m	MQDC-415-GYP	MQDC-415-GYPRA	
	9 m	MQDC-430-GYP	MQDC-430-GYPRA	
4-Pin NPN	2 m	MQDC-406-GYN	MQDC-406-GYNRA	 22 AWG Cable ø – 5.2 mm
	5 m	MQDC-415-GYN	MQDC-415-GYNRA	
	9 m	MQDC-430-GYN	MQDC-430-GYNRA	

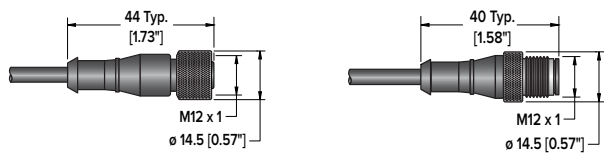
### 5-Pin (Voltage: 10 to 30 V DC at 15 mA max)

	Length	Straight	Right-Angle	Pinout
5-Pin PNP	2 m	MQDC-506-GYP	MQDC-506-GYPRA	 22 AWG Cable ø – 5.6 mm
	5 m	MQDC-515-GYP	MQDC-515-GYPRA	
	9 m	MQDC-530-GYP	MQDC-530-GYPRA	
5-Pin NPN	2 m	MQDC-506-GYN	MQDC-506-GYNRA	 22 AWG Cable ø – 5.6 mm
	5 m	MQDC-515-GYN	MQDC-515-GYNRA	
	9 m	MQDC-530-GYN	MQDC-530-GYNRA	

# M12 Specialty Cordsets


## Coiled Cordsets

- Cable:** PUR jacket, black PUR connector body, nickel-plated brass coupling nut
- Vibration Shock:** Meets IEC 60068-2-6 requirements
- Mechanical Shock:** Meets IEC 60068-2-27 requirements
- Temperature:** -40° to +70 °C
- Environmental Rating:** IP67, IP69K, NEMA 1, 3, 4, 6P, 13





### 4-Pin (Voltage: 250 V DC/AC, Current: 4 A)



	Length (retracted to extended)	Straight	Pinout
4-Pin	0.8 to 1.7 m	MQDC-401.7M-PUR-C	<div><div>Female</div><div></div><div>1 = Brown 2 = White 3 = Blue 4 = Black</div></div> <div>22 AWG</div> <div>Cable ø – 5.2 mm</div>
	1.0 to 2.6 m	MQDC-402.6M-PUR-C	
	1.2 to 3.3 m	MQDC-403.3M-PUR-C	

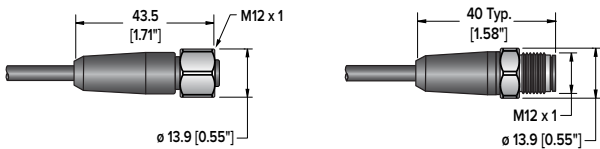


	Length (retracted to extended)	Straight/Straight	Pinout
4-Pin Double-Ended	0.8 to 1.7 m	MQDEC-401.7M-PUR-C	<div><div>Female</div><div></div><div>1 = Brown 2 = White 3 = Blue 4 = Black</div></div> <div><div>Male</div><div></div><div>1 = Brown 2 = White 3 = Blue 4 = Black</div></div> <div>22 AWG</div> <div>Cable ø – 5.2 mm</div>
	1.0 to 2.6 m	MQDEC-403.3M-PUR-C	

# M12 Specialty Cordsets

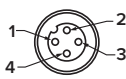
## High Pressure and Temperature Washdown Cordsets

- Cable:** PVC jacket, 316 stainless steel nut
- Vibration Shock:** Meets IEC 60068-2-6 requirements
- Mechanical Shock:** Meets IEC 60068-2-27 requirements
- Temperature:** -40 to +70 °C
- Environmental Rating:** IP66, IP67, IP68, IP69K, NEMA 1, UL Type 1
- Certifications:** **ECOLAB** test F and E Nr. 40-1

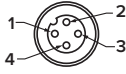


### 4-Pin (Voltage: 250 V DC/AC, Current: 4 A)



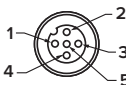
	Length	Straight	Pinout
4-Pin	2 m	MQDC-WDSS-0406	 22 AWG 1 = Brown 2 = White 3 = Blue 4 = Black Cable ø – 4.8 mm
	5 m	MQDC-WDSS-0415	
	9 m	MQDC-WDSS-0430	



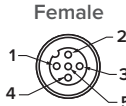
	Length	Straight/Straight	Pinout
4-Pin Double-Ended	0.31 m	MQDEC-WDSS-401SS	 22 AWG 1 = Brown 2 = White 3 = Blue 4 = Black Cable ø – 4.8 mm
	0.91 m	MQDEC-WDSS-403SS	
	1.83 m	MQDEC-WDSS-406SS	
	3.7 m	MQDEC-WDSS-412SS	

### 5-Pin (Voltage: 60 V DC/AC, Current: 4 A)



	Length	Straight	Pinout
5-Pin	2 m	MQDC-WDSS-0506	 22 AWG 1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray Cable ø – 5.2 mm
	5 m	MQDC-WDSS-0515	
	9 m	MQDC-WDSS-0530	



	Length	Straight/Straight	Pinout
5-Pin Double-Ended	1.5 m	MQDEC-WDSS-505SS	 22 AWG 1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray Cable ø – 4.8 mm
	3 m	MQDEC-WDSS-510SS	
	4.57 m	MQDEC-WDSS-515SS	

# M12 Specialty Cordsets

## Chemical Washdown Cordsets

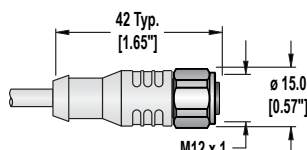
**Cable:** White polypropylene jacket, polypropylene connector body, polypropylene contact carriers, 316 stainless steel nut

**Vibration Shock:** Meets IEC 60068-2-6 requirements

**Mechanical Shock:** Meets IEC 60068-2-27 requirements

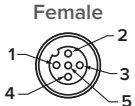
**Temperature:** -40 °C to +90 °C

**Environmental Rating:** IP68, NEMA 1, 3, 4, 6P



### 5-Pin (Voltage: 250 V DC/AC, Current: 4 A)



	Length	Straight	Pinout
5-Pin Female QD to Flying Leads Open Shield with Drain Wire	2 m	MQDCWD-506	 <p>Female</p> <p>1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray</p> <p>22 AWG Cable ø – 4.5 mm</p>
	9 m	MQDCWD-530	

## Namur

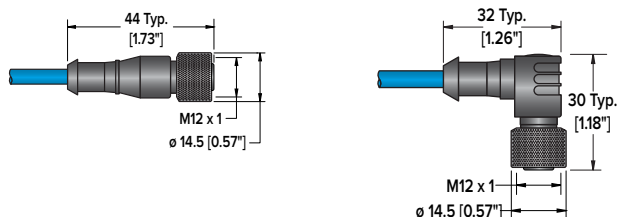
**Cable:** Blue PVC jacket, PUR connector body, nickel-plated brass coupling nut

**Vibration Shock:** Meets IEC 60068-2-6 requirements

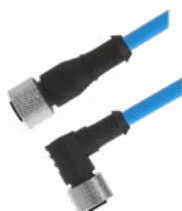
**Mechanical Shock:** Meets IEC 60068-2-27 requirements

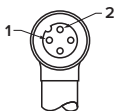
**Temperature:** -40 °C to +105 °C

**Environmental Rating:** IP67, NEMA 1, 3, 4, 6P, 13



### 4-Pin (Voltage: 250 V DC/AC, Current: 4 A)



	Length	Straight	Right-Angle	Pinout
4-Pin	2 m	MQD9-406	MQD9-406RA	 <p>Female</p> <p>1 = Brown 2 = Blue</p> <p>20 AWG Cable ø – 5.2 mm</p>
	5 m	MQD9-415	MQD9-415RA	
	9 m	MQD9-430	MQD9-430RA	

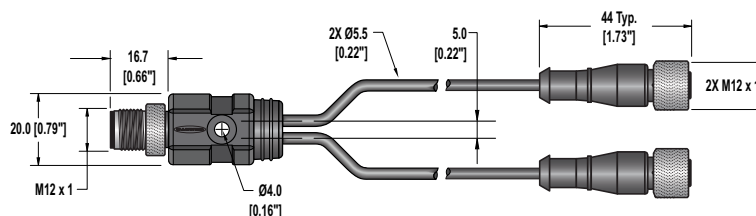
# M12 Splitters and Tees

## Round QD Splitters

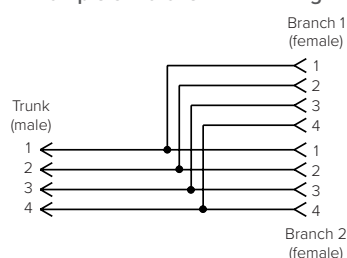
**Cable:** PVC jacket, PUR (polyurethane) connector body, nickel-plated brass coupling nut

**Temperature:** -40 to +90 °C

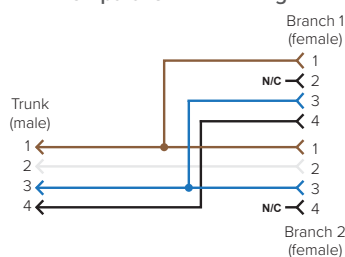
**Environmental Rating:** IP68



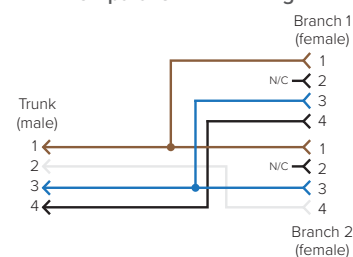
Example of Parallel 4-Pin Wiring



S15YA24-M124-M124-0.2M  
Non-parallel 4-Pin Wiring



S15YA4-M124-M124-0.2M  
Non-parallel 4-Pin Wiring



### 4-Pin (Voltage: 60 V DC/AC, Current: 2 A)



	Models	Cable Lengths		Pinout
		Trunk (Male)	Branches (Female)	
4-Pin	CSRB-M1240M1241	No Trunk/ Integral QD	0.3 m	<p>1 = Brown 2 = White 3 = Blue 4 = Black</p>
	CSRB-M1240M1242		0.6 m	
	CSRB-M1240M1243		0.9 m	
	CSRB-M1240M1244		1.2 m	
4-Pin	S15YA24-M124-M124-0.2M	No Trunk/ Integral QD	0.2 m	<p>4 x 22 AWG      Cable ø – 5.5 mm</p>
	S15YA4-M124-M124-0.2M			
	S15YB-M124-M124-0.2M			

### 5-Pin (Voltage: 60 V DC/AC, Current: 2 A)



	Models	Cable Lengths		Pinout
		Trunk (Male)	Branches (Female)	
5-Pin	CSRB-M1250M125.47M125.73	No Trunk/ Integral QD	Branch 1 0.14 m Branch 2 0.22 m	<p>1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gn/Ye</p> <p>5 x 22 AWG      Cable ø – 5.5 mm</p>

# M12 Splitters and Tees

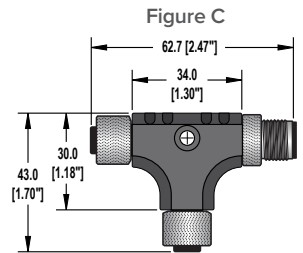
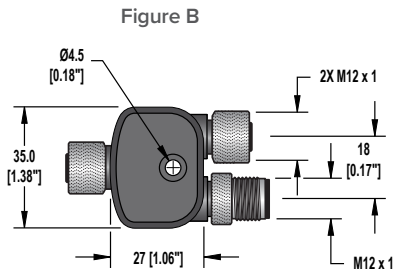
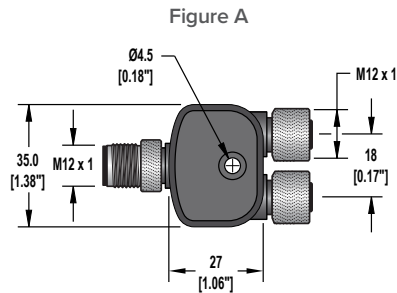
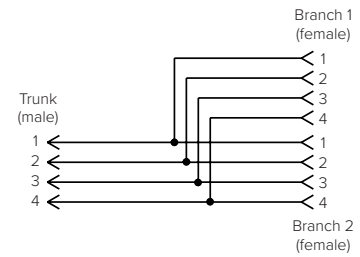
## Compact Flat QD Splitters and Tees

**Cable:** PVC jacket, PUR (polyurethane) connector body, nickel-plated brass coupling nut

**Temperature:** -40 to +90 °C

**Environmental Rating:** IP68

### Example of Parallel 4-Pin Wiring



### 4-Pin (Voltage: 250 V DC/AC, Current: 4 A)



	Models	Dimensional Drawing	Pinout
4-Pin	CSB-M1240M1240	Figure A	<p><b>Female</b></p> <p>1 = Brown 2 = White 3 = Blue 4 = Black</p> <p><b>Male</b></p> <p>22 AWG Cable ø – 6.0 mm</p>

### 5-Pin (Voltage: 30 V DC/AC, Current: 2 A)



	Models	Dimensional Drawing	Pinout
5-Pin	CSB-M1250M1250-T	Figure C	<p><b>Female</b></p> <p>1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray</p> <p><b>Male</b></p> <p>22 AWG Cable ø – 5.5 mm</p>
	CSB-M1250M1250A	Figure A	
	CSB-M1250M1250	Figure B	

### 8-Pin (Voltage: 60 V DC/AC, Current: 2 A)



	Models	Dimensional Drawing	Pinout
8-Pin	CSB-M1280M1280	Figure A	<p><b>Female</b></p> <p>1 = Brown 2 = Or/Bk 3 = Orange 4 = White 5 = Black 6 = Blue 7 = Gr/Ye 8 = Violet</p> <p><b>Male</b></p> <p>22 AWG Cable ø – 6.0 mm</p>



# M12 Splitters and Tees

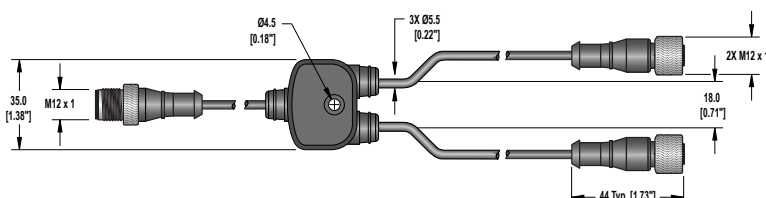
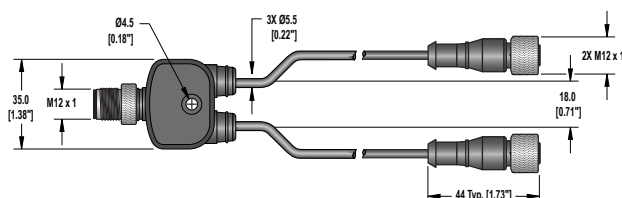
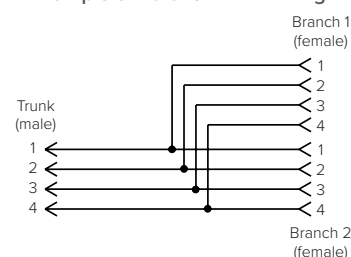
## Flat QD Splitters

**Cable:** PVC jacket, PUR (polyurethane) connector body, nickel-plated brass coupling nut

**Temperature:** -40 to +90 °C

**Environmental Rating:** IP68

### Example of Parallel 4-Pin Wiring



## 4-Pin (Voltage: 250 V DC/AC, Current: 4 A)



	Models	Cable Lengths		Pinout
		Trunk (Male)	Branches (Female)	
4-Pin	CSB-M1240M1241	No Trunk/Integral QD	2 x 0.3 m	<p>22 AWG Cable ø – 6.0 mm</p>
	CSB-M1241M1241	0.3 m	2 x 0.3 m	
	CSB-M1243M1243	1 m	2 x 1 m	
	CSB-M1248M1241	2.4 m	2 x 0.3 m	
	CSB-M12415M1241	4.6 m	2 x 0.3 m	
	CSB-UNT425M1241	7.6 m Unterminated	2 x 0.3 m	

## 5-Pin (Voltage: 30 V DC/AC, Current: 2 A)



	Models	Cable Lengths		Pinout
		Trunk	Branches	
5-Pin	CSB-M1251M1251B	0.3 m (Male)	2 x 0.3 m (Female)	<p>22 AWG Cable ø – 5.9 mm</p>
	CSB-M1251FM1251M	0.3 m (Female)	2 x 0.3 m (Male)	

## 8-Pin (Voltage: 60 V DC/AC, Current: 2 A)



	Models	Cable Lengths		Pinout
		Trunk (Male)	Branches (Female)	
8-Pin	CSB-M1281M1281B	0.3 m	2 x 0.3 m	<p>22 AWG Cable ø – 6.0 mm</p>

# M12 Splitters and Tees

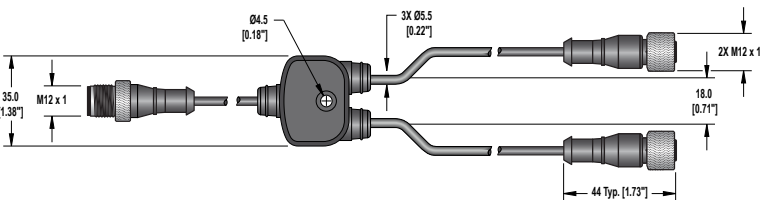
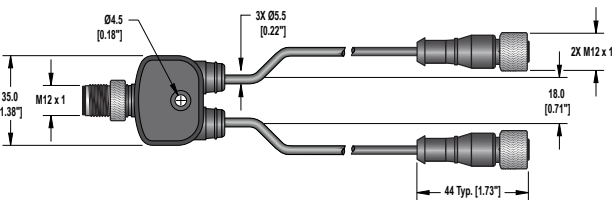
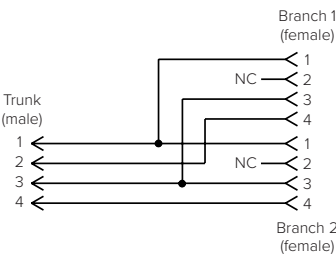
## Wiring Splitters

**Cable:** PVC jacket, PUR (polyurethane) connector body, nickel-plated brass coupling nut


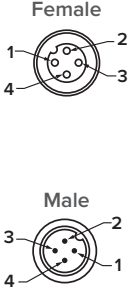
**Temperature:** -40 to +105 °C

**Environmental Rating:** IP68

Example of 4-Pin Wiring



## 4-Pin (Voltage: 250 V DC/AC, Current: 4 A)

	Models	Cable Lengths		Pinout
		Trunk (Male)	Branches (Female)	
 4-Pin	CSA-M1240M1241	No Trunk/ Integral QD	2 x 0.3 m	 1 = Brown 2 = White 3 = Blue 4 = Black
	CSA-M1240M1243	No Trunk/ Integral QD	2 x 1 m	
	CSA-M1240M1246	No Trunk/ Integral QD	2 x 2 m	
	CSA-M1241M1241	0.3 m	2 x 0.3 m	
	CSA-M1243M1243	1 m	2 x 1 m	
	CSA-M1246M1246	2 m	2 x 2 m	
				22 AWG      Cable ø – 6.0 mm

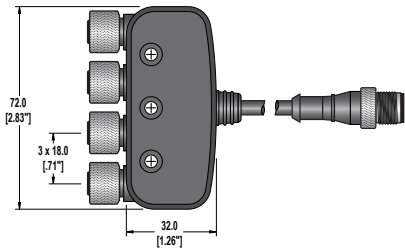
# M12 Multi-port Splitters

## Multi-port Splitters

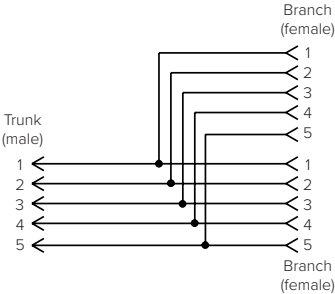
**Cable:** PVC jacket, PUR (polyurethane) connector body, nickel-plated brass coupling nut

**Temperature:** -40° to +90 °C

**Environmental Rating:** IP68

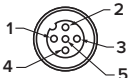
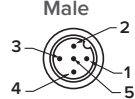


Example of Parallel 5-Pin Wiring  
(diagram applies to all branches)



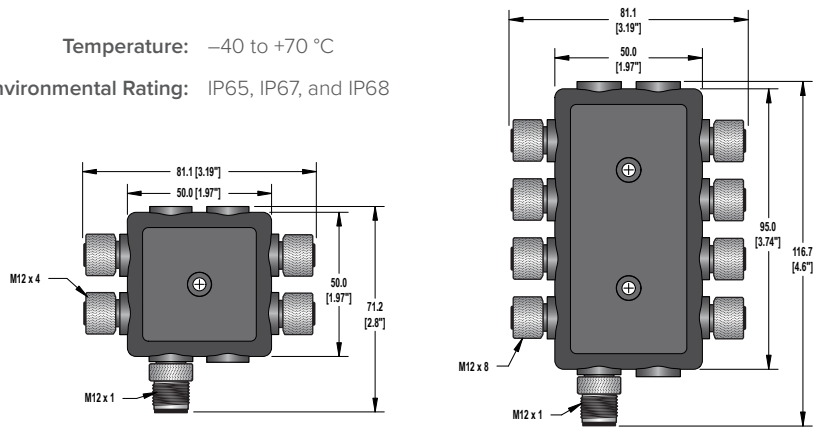
### 5-Pin (Voltage: 30 V DC/AC, Current: 2 A)



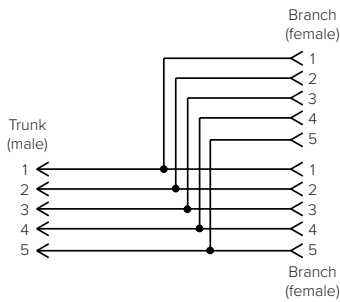
Models	Cable Lengths		Pinout
	Branches (Female)	Trunk (Male)	
5-Pin	CSB4-M1251M1250	4 x No Branch / Integral QD	0.3 m
			<div><div><p><b>Female</b></p><p>1 = Brown 2 = White 3 = Blue 4 = Black</p></div><div><p><b>Male</b></p></div></div> <div>4 x 22 AWG    Cable ø – 5.6 mm</div>

# M12 Molded Junction Blocks

Temperature: -40 to +70 °C  
Environmental Rating: IP65, IP67, and IP68



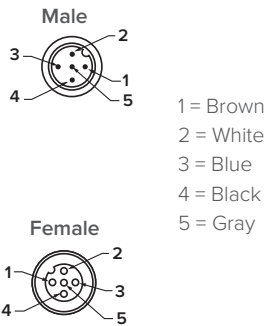
Example of Parallel 5-Pin Wiring  
(diagram applies to all branches)



## 5-Pin (Voltage: 30 V DC/AC, Current: 2 A)



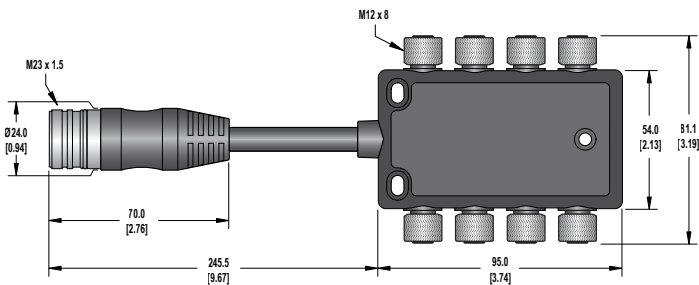
Models	Cable Lengths		Pinout
	Branches (Female)	Trunk (Male)	
5-Pin	R50-4M125-M125Q-P	4 x No Branch/ Integral QD	No Trunk/Integral QD
	R95-8M125-M125Q-P	8 x No Branch/ Integral QD	No Trunk/Integral QD



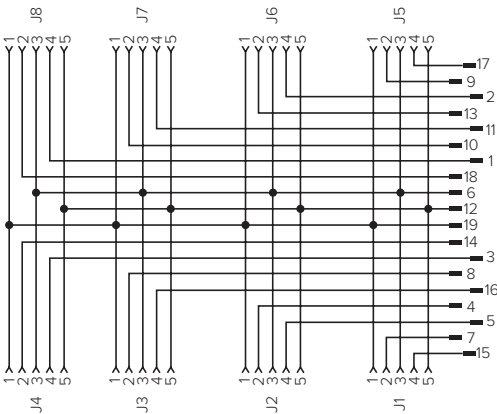
# Molded I/O Junction Blocks

Temperature: -40 to +70 °C

Environmental Rating: IP67

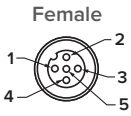
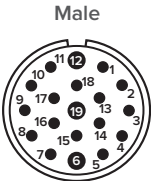


Wiring Diagram



## 5-Pin (Voltage: 30 V DC/AC, Current: 2 A)



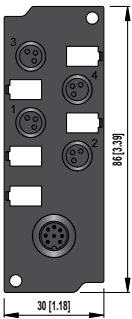
Models	Cable Lengths		Pinout
	Branches (Female)	Trunk	
R95-8M125-C1-D24P	8 x No Branch/ Integral QD	1 m with Flying Leads	 <ul style="list-style-type: none"><li>1 = Brown</li><li>2 = White</li><li>3 = Blue</li><li>4 = Black</li><li>5 = Gray</li></ul>
R95-8M125-0.3M23-D24P		0.3 m 19-pin M23 Male QD	
R95-8M125-C1-D24		1 m with Flying Leads	 <ul style="list-style-type: none"><li>1 = Purple</li><li>2 = Red</li><li>3 = Gray</li><li>4 = Red/Blue</li><li>5 = Green</li><li>6 = Blue (18 AWG)</li><li>7 = Gray/Pink</li><li>8 = White/Green</li><li>9 = White/Yellow</li><li>10 = White/Gray</li><li>11 = Black</li><li>12 = Green/Yellow (18 AWG)</li><li>13 = Yellow/Brown</li><li>14 = Brown/Green</li><li>15 = White</li><li>16 = Yellow</li><li>17 = Pink</li><li>18 = Gray/Brown</li><li>19 = Brown (18 AWG)</li></ul>
R95-8M125-0.3M23-D24		0.3 m 19-pin M23 Male QD	

18 and 22 AWG

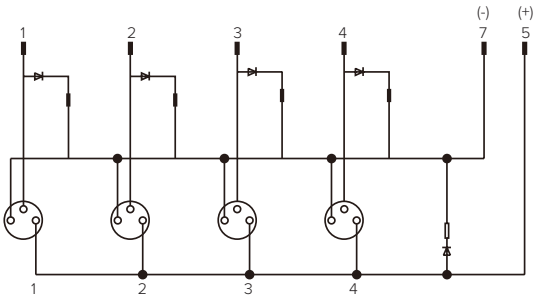
# M8 I/O Junction Blocks

Temperature: -25 to +80 °C

Environmental Rating: IP67

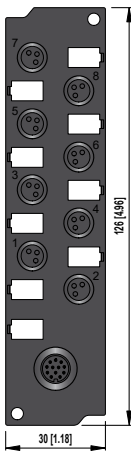


Wiring Diagram

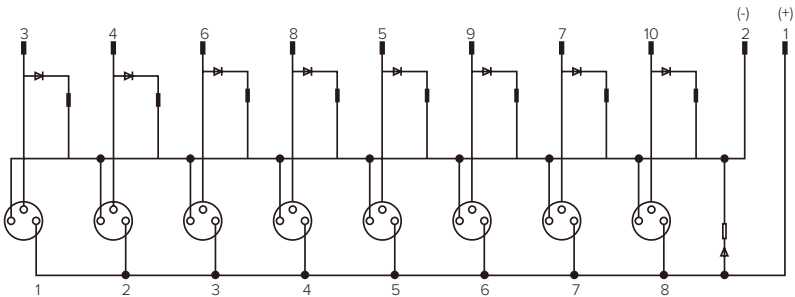


## 4 Port 3-Pin (Voltage: 120 V DC/AC, Current: 2 A)

	Models	Output	Pinout
	JB-4M8-M12-P4	PNP	<div><b>Female</b>  1 = Brown 3 = Blue 4 = Black</div> <div><b>Male</b>  1 = White      5 = Gray 2 = Brown      6 = Pink 3 = Green      7 = Blue 4 = Yellow      8 = Red</div>
	JB-4M8-M12-N4	NPN	
	JB-4M8-M12-4	Discrete	



Wiring Diagram



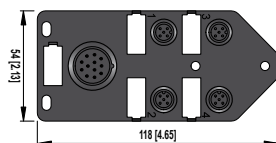
## 8 Port 3-Pin (Voltage: 120 V DC/AC, Current: 2 A)

	Models	Output	Pinout
	JB-8M8-M12-P4	PNP	<div><b>Female</b>  1 = Brown 3 = Blue 4 = Black</div> <div><b>Male</b>  1 = White      7 = Blue 2 = Brown      8 = Red 3 = Green      9 = Orange 4 = Yellow      10 = Tyrian Purple 5 = Gray      11 = Black 6 = Pink      12 = Violet</div>
	JB-8M8-M12-N4	NPN	
	JB-8M8-M12-4	Discrete	

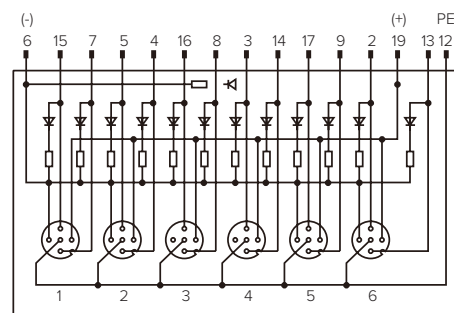
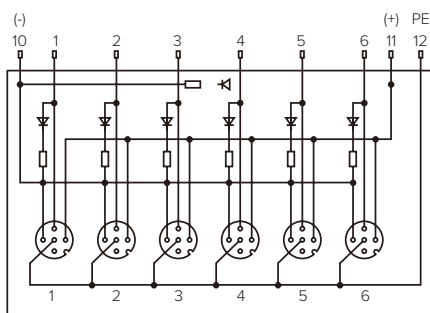
# M12 I/O Junction Blocks

Temperature: -25 to +80 °C

Environmental Rating: IP67



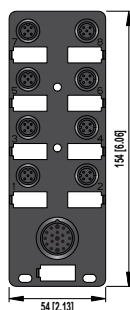
Wiring Diagram



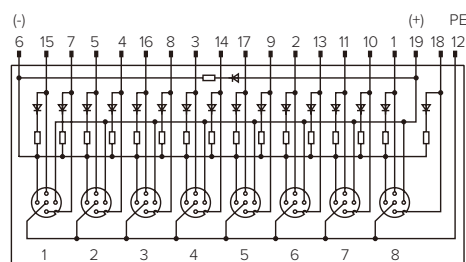
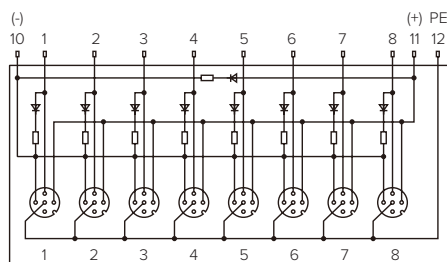
## 4 Port 5-Pin (Voltage: 120 V DC/AC, Current: 2 A)



Models	Output	Pinout
JB-4M12-M23-P24	PNP	<p>Female</p> <p>1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray</p> <p>Male</p> <p>1 = White 2 = Brown 3 = Green 4 = Yellow 5 = Gray 6 = Pink 7 = Blue 8 = Red 9 = Orange 10 = Tyrian Purple 11 = Black 12 = Violet</p>
JB-4M12-M23-N24	NPN	
JB-4M12-M23-24	Discrete	



Wiring Diagram



## 8 Port 5-Pin (Voltage: 120 V DC/AC, Current: 2 A)



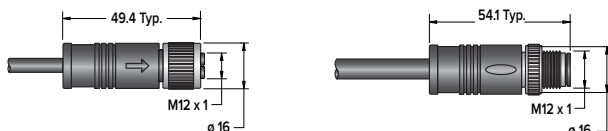
Models	Output	Pinout
JB-8M12-M23-P24	PNP	<p>Female</p> <p>1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray</p> <p>Male</p> <p>1 = Purple 2 = Red 3 = Gray 4 = Red/Blue 5 = Green 6 = Blue (18 AWG) 7 = Gray/Pink 8 = White/Green 9 = White/Yellow 10 = White/Gray 11 = Black 12 = Green/Yellow (18 AWG) 13 = Yellow/Brown 14 = Brown/Green 15 = White 16 = Yellow 17 = Pink 18 = Gray/Brown 19 = Brown (18 AWG)</p>
JB-8M12-M23-N24	NPN	
JB-8M12-M23-24	Discrete	

# M12 Power Cordsets


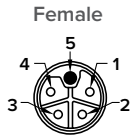

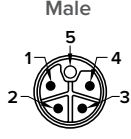

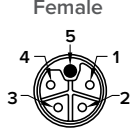
**Cable:** Shielded PVC jacket with black TPU overmolding, nickel-plated brass coupling nut, gold-plated brass terminal

**Temperature:** Fixed installation: -40 °C to +85 °C , flexible installation: -25 °C to +85 °C

**Environmental Rating:** IP67, IP68



## 5-Pin L-Code (Voltage: 63 V DC/AC, Current: 16 A)

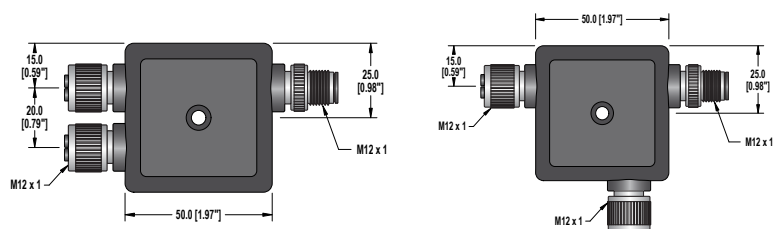
	Length	Straight	Pinout
 5-Pin Female QD to Flying Leads	1 m	BCP-M12LF5-14-1	 Female <ul style="list-style-type: none"> <li>1 = Brown</li> <li>2 = White</li> <li>3 = Blue</li> <li>4 = Black</li> <li>5 = Yellow/Green</li> </ul> Shell = Braid
	2 m	BCP-M12LF5-14-2	
	5 m	BCP-M12LF5-14-5	
	10 m	BCP-M12LF5-14-10	
	15 m	BCP-M12LF5-14-15	
	20 m	BCP-M12LF5-14-20	
 5-Pin Male QD to Flying Leads	1 m	BCP-M12LM5-14-1	 Male <ul style="list-style-type: none"> <li>1 = Brown</li> <li>2 = White</li> <li>3 = Blue</li> <li>4 = Black</li> <li>5 = Yellow/Green</li> </ul> Shell = Braid
	2 m	BCP-M12LM5-14-2	
	5 m	BCP-M12LM5-14-5	
	10 m	BCP-M12LM5-14-10	
	15 m	BCP-M12LM5-14-15	
	20 m	BCP-M12LM5-14-20	
	Length	Straight/Straight (Female/Male)	Pinout
 5-Pin Double-Ended	1 m	BCP-M12LF5-M12LM5-14-1	 Female <ul style="list-style-type: none"> <li>1 = Brown</li> <li>2 = White</li> <li>3 = Blue</li> <li>4 = Black</li> <li>5 = Yellow/Green</li> </ul> Shell = Braid
	2 m	BCP-M12LF5-M12LM5-14-2	
	5 m	BCP-M12LF5-M12LM5-14-5	
	10 m	BCP-M12LF5-M12LM5-14-10	
	15 m	BCP-M12LF5-M12LM5-14-15	
	20 m	BCP-M12LF5-M12LM5-14-20	



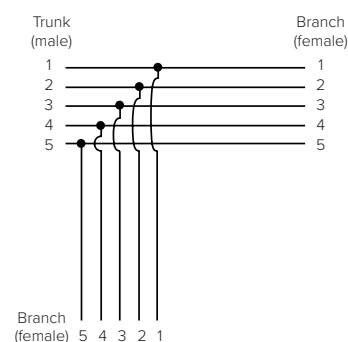
# M12 Power Junction Blocks

Temperature: -40 °C to +70 °C

Environmental Rating: IP67



## Example of Parallel Wiring

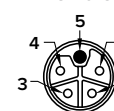


## 5-Pin L-Code (Voltage: 60 V DC, Current: 16 A)



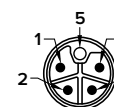
Models	Connection	Pinout
5-Pin	R50-2M125L-M125-P	1 x L-code male M12 2 x L-code female M12
	R50T-2M125L-M125-P	1 x L-code male M12 2 x L-code female M12

### Female



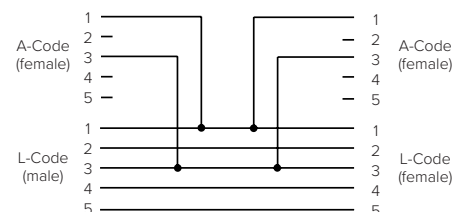
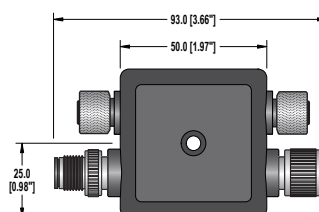
1 = Brown  
2 = White  
3 = Blue  
4 = Black  
5 = Yellow/Green

### Male



Temperature: -40 °C to +70 °C

Environmental Rating: IP65, IP67, IP68

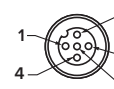


## 5-Pin L-Code to A-Code (Voltage: 63 V DC, Current: 4 A A-Code, 16 A L-Code)



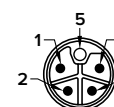
Model	Power Connections	Power Drops	Pinout
5-Pin	R50-M12LM5-M12LF5-2M12F5-P13	1 x L-code male M12 1 x L-code female M12	2 x A-code female M12

### Female



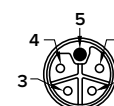
1 = Brown  
2 = NC  
3 = Blue  
4 = NC  
5 = NC

### Male



1 = Brown  
2 = White  
3 = Blue  
4 = Black  
5 = Yellow/Green

### Female

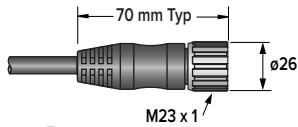


# M23 PVC Cordsets

**Cable:** PVC jacket, PUR (polyurethane) connector body, nickel-plated brass coupling nut

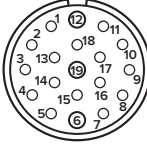
**Temperature:** -25° to +85 °C

**Environmental Rating:** IP67 and IP68

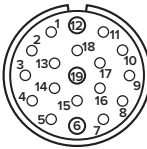


## 19-Pin (Voltage: 150 V DC/AC, Current: 8 A (18 gauge), 2A (22 gauge))



	Length	Straight	Pinout
19-Pin Female QD to Flying Leads	1 m	BC-M23F19-1822-1	 <p>Female</p> <p>1 = Purple 2 = Red 3 = Gray 4 = Red/Blue 5 = Green 6 = Blue (18 AWG) 7 = Gray/Pink 8 = White/Green 9 = White/Yellow 10 = White/Gray 11 = Black 12 = Green/Yellow (18 AWG) 13 = Yellow/Brown 14 = Brown/Green 15 = White 16 = Yellow 17 = Pink 18 = Gray/Brown 19 = Brown (18 AWG)</p>
	2 m	BC-M23F19-1822-2	
	5 m	BC-M23F19-1822-5	
	10 m	BC-M23F19-1822-10	
	15 m	BC-M23F19-1822-15	
	20 m	BC-M23F19-1822-20	
			18 and 22 AWG Cable ø – 9.8 mm



	Length	Straight	Pinout
19-Pin Female QD to Flying Leads Open Shield with Drain Wire	2 m	BC-M23F19-1822-2-SFP	 <p>Female</p> <p>1 = Purple 2 = Red 3 = Gray 4 = Red/Blue 5 = Green 6 = Blue (18 AWG) 7 = Gray/Pink 8 = White/Green 9 = White/Yellow 10 = White/Gray 11 = Black 12 = Green/Yellow (18 AWG) 13 = Yellow/Brown 14 = Brown/Green 15 = White 16 = Yellow 17 = Pink 18 = Gray/Brown 19 = Brown (18 AWG)</p>
	5 m	BC-M23F19-1822-5-SFP	
	10 m	BC-M23F19-1822-10-SFP	
			18 and 22 AWG Cable ø – 9.8 mm

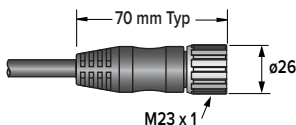
\*Not all models are shown. Please contact Banner for other available lengths and double-ended styles.

# M23 PVC Cordsets

**Cable:** PVC jacket, PUR (polyurethane) connector body, nickel-plated brass coupling nut

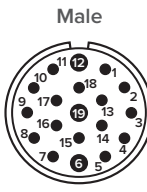
**Temperature:** -25° to +85 °C

**Environmental Rating:** IP67 and IP68

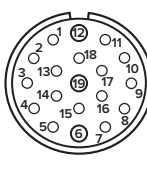


## 19-Pin (Voltage: 150 V DC/AC, Current: 8 A (18 gauge), 2A (22 gauge))



	Length	Straight	Pinout
19-Pin Male QD to Flying Leads	1 m	BC-M23M19-1822-1	 <p>Male</p> <p>1 = Purple 2 = Red 3 = Gray 4 = Red/Blue 5 = Green 6 = Blue (18 AWG) 7 = Gray/Pink 8 = White/Green 9 = White/Yellow 10 = White/Gray 11 = Black 12 = Green/Yellow (18 AWG) 13 = Yellow/Brown 14 = Brown/Green 15 = White 16 = Yellow 17 = Pink 18 = Gray/Brown 19 = Brown (18 AWG)</p>
	2 m	BC-M23M19-1822-2	
	5 m	BC-M23M19-1822-5	
	10 m	BC-M23M19-1822-10	
	15 m	BC-M23M19-1822-10	
	20 m	BC-M23M19-1822-20	
			18 and 22 AWG Cable ø – 9.8 mm



	Length	Straight/Straight (Female/Male)	Pinout
19-Pin Double-Ended	1 m	BC-M23F19-M23M19-1822-1	 <p>Female</p> <p>1 = Purple 2 = Red 3 = Gray 4 = Red/Blue 5 = Green 6 = Blue (18 AWG) 7 = Gray/Pink 8 = White/Green 9 = White/Yellow 10 = White/Gray 11 = Black 12 = Green/Yellow (18 AWG) 13 = Yellow/Brown 14 = Brown/Green 15 = White 16 = Yellow 17 = Pink 18 = Gray/Brown 19 = Brown (18 AWG)</p>
	2 m	BC-M23F19-M23M19-1822-2	
	5 m	BC-M23F19-M23M19-1822-5	
	10 m	BC-M23F19-M23M19-1822-10	
	15 m	BC-M23F19-M23M19-1822-15	
	20 m	BC-M23F19-M23M19-1822-20	
			18 and 22 AWG Cable ø – 9.8 mm

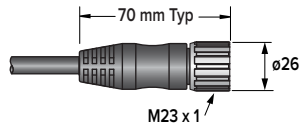
\*Not all models are shown. Please contact Banner for other available lengths and double-ended styles.

# M23 PVC Cordsets

**Cable:** PVC jacket, PUR (polyurethane) connector body, nickel-plated brass coupling nut

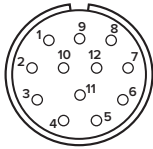
**Temperature:** -25° to +85 °C

**Environmental Rating:** IP67 and IP68

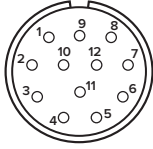


## 12-Pin (Voltage: 300 V DC/AC, Current: 4 A)

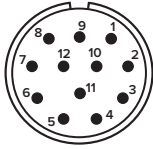


	Length	Straight	Right-Angle	Pinout
12-Pin Female QD to Flying Leads	1 m	BC-M23F12-22-1	—	 <p>Female</p> <p>1 = White 2 = Brown 3 = Green 4 = Yellow 5 = Gray 6 = Pink 7 = Blue 8 = Red 9 = Orange 10 = Tyrian Purple 11 = Black 12 = Violet</p>
	2 m	BC-M23F12-22-2	BC-M23F12A-22-2	
	5 m	BC-M23F12-22-5	BC-M23F12A-22-5	
	10 m	BC-M23F12-22-10	BC-M23F12A-22-10	
	15 m	BC-M23F12-22-15	—	
	20 m	BC-M23F12-22-20	—	
				22 AWG Cable ø – 6 mm



12-Pin Female QD to Flying Leads Open Shield with Drain Wire	2 m	BC-M23F12-22-2-SFP	BC-M23F12A-22-2-SFP	 <p>Female</p> <p>1 = White 2 = Brown 3 = Green 4 = Yellow 5 = Gray 6 = Pink 7 = Blue 8 = Red 9 = Orange 10 = Tyrian Purple 11 = Black Cut = Violet 12 = Drain + Braid</p>
	5 m	BC-M23F12-22-5-SFP	BC-M23F12A-22-5-SFP	
	10 m	BC-M23F12-22-10-SFP	BC-M23F12A-22-10-SFP	
				22 AWG Cable ø – 6 mm



12-Pin Male QD to Flying Leads	1 m	BC-M23M12-22-1	—	 <p>Male</p> <p>1 = White 2 = Brown 3 = Green 4 = Yellow 5 = Gray 6 = Pink 7 = Blue 8 = Red 9 = Orange 10 = Tyrian Purple 11 = Black 12 = Violet</p>
	2 m	BC-M23M12-22-2	—	
	5 m	BC-M23M12-22-5	—	
	10 m	BC-M23M12-22-10	—	
	15 m	BC-M23M12-22-15	—	
	20 m	BC-M23M12-22-20	—	
				22 AWG Cable ø – 9.8 mm

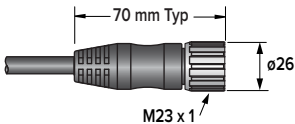
\*Not all models are shown. Please contact Banner for other available lengths and double-ended styles.

# M23 PVC Cordsets

**Cable:** PVC jacket, PUR (polyurethane) connector body, nickel-plated brass coupling nut

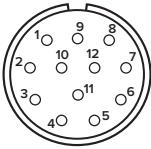
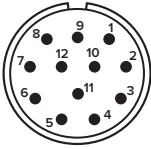
**Temperature:** -25° to +85 °C

**Environmental Rating:** IP67 and IP68



**12-Pin** (Voltage: 300 V DC/AC, Current: 4 A)



	Length	Straight/Straight (Female/Male)	Pinout
12-Pin Double-Ended	2 m	BC-M23F12-M23M12-22-2	<div>Female</div>  <div>Male</div>  <div>           1 = White            2 = Brown            3 = Green            4 = Yellow            5 = Gray            6 = Pink            7 = Blue            8 = Red            9 = Orange            10 = Tyrian Purple            11 = Black            12 = Violet         </div>
	5 m	BC-M23F12-M23M12-22-5	
	10 m	BC-M23F12-M23M12-22-10	
	15 m	BC-M23F12-M23M12-22-15	
	20 m	BC-M23F12-M23M12-22-20	
			22 AWG      Cable ø – 6 mm

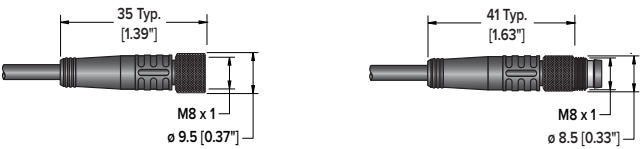
\*Not all models are shown. Please contact Banner for other available lengths and double-ended styles.

# M8 PVC Cordsets

Cable: PVC jacket, PUR (polyurethane) connector body, nickel-plated brass coupling nut


Temperature: -40° to +70 °C

Environmental Rating: IP67




**3-Pin** (Voltage: 30 V DC, Current: 4 A)

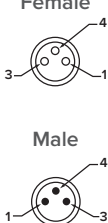


	Length	Straight	Pinout	
3-Pin Female QD to Flying Leads	0.5 m	BC-M8F3-24-0.5		1 = Brown 3 = Blue 4 = Black
	1 m	BC-M8F3-24-1		
	2 m	BC-M8F3-24-2		
	5 m	BC-M8F3-24-5		
	8 m	BC-M8F3-24-8		
	10 m	BC-M8F3-24-10		
			24 AWG	Cable ø – 4.2 mm



3-Pin Male QD to Flying Leads	0.5 m	BC-M8M3-24-0.5		1 = Brown 3 = Blue 4 = Black
	1 m	BC-M8M3-24-1		
	2 m	BC-M8M3-24-2		
	5 m	BC-M8M3-24-5		
	8 m	BC-M8M3-24-8		
	10 m	BC-M8M3-24-10		
			24 AWG	Cable ø – 4.2 mm



	Length	Straight/Straight (Female/Male)	Pinout	
3-Pin Double-Ended	0.5 m	BC-M8F3-M8M3-24-0.5		1 = Brown 3 = Blue 4 = Black
	1 m	BC-M8F3-M8M3-24-1		
	2 m	BC-M8F3-M8M3-24-2		
	5 m	BC-M8F3-M8M3-24-5		
	8 m	BC-M8F3-M8M3-24-8		
	10 m	BC-M8F3-M8M3-24-10		
			24 AWG	Cable ø – 4.2 mm

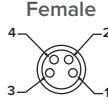
\*Not all models are shown. Please contact Banner for other available lengths and double-ended styles.

# M8 PVC Cordsets

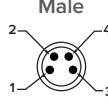


## 4-Pin (Voltage: 30 V DC, Current: 4 A)

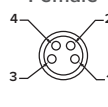
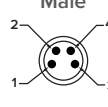


	Length	Straight	Pinout	
4-Pin Female QD to Flying Leads	0.5 m	BC-M8F4-24-0.5		1 = Brown 2 = White 3 = Blue 4 = Black
	1 m	BC-M8F4-24-1		
	2 m	BC-M8F4-24-2		
	5 m	BC-M8F4-24-5		
	8 m	BC-M8F4-24-8		
	10 m	BC-M8F4-24-10		
			24 AWG	Cable ø – 4.4 mm



4-Pin Male QD to Flying Leads	0.5 m	BC-M8M4-24-0.5		1 = Brown 2 = White 3 = Blue 4 = Black
	1 m	BC-M8M4-24-1		
	2 m	BC-M8M4-24-2		
	5 m	BC-M8M4-24-5		
	8 m	BC-M8M4-24-8		
	10 m	BC-M8M4-24-10		
			24 AWG	Cable ø – 4.4 mm



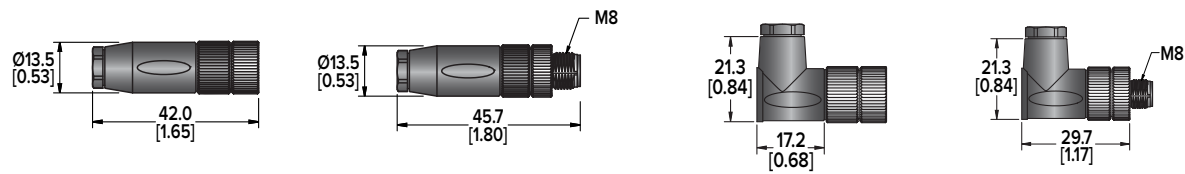
	Length	Straight/Straight (Female/Male)	Pinout	
4-Pin Double-Ended	0.5 m	BC-M8F4-M8M4-24-0.5	<div><p>Female</p></div>	<div><p>1 = Brown 2 = White 3 = Blue 4 = Black</p></div>
	1 m	BC-M8F4-M8M4-24-1		
	2 m	BC-M8F4-M8M4-24-2		
	5 m	BC-M8F4-M8M4-24-5	<div><p>Male</p></div>	
	8 m	BC-M8F4-M8M4-24-8		
	10 m	BC-M8F4-M8M4-24-10		
			24 AWG	Cable ø – 4.4 mm

\*Not all models are shown. Please contact Banner for other available lengths and double-ended styles.

# M8 Field Wireable Connectors



Temperature: -25° to +90 °C

Environmental Rating: IP67





## 3-Pin (Voltage: 30 V DC/AC, Current: 4 A)



	Straight	Right-Angle	Pinout
3-Pin Female Insulation Displacement	FIC-M8F3	FIC-M8F3A	<div><p>Female</p></div> <div><p>1 = Brown 3 = Blue 4 = Black</p></div>
3-Pin Male Insulation Displacement	FIC-M8F3A	FIC-M8M3A	
3-Pin Female Screw Terminal	FIC-M8F4	FIC-M8F4A	<div><p>Male</p></div> <div>22 AWG</div>
3-Pin Male Screw Terminal	FIC-M8M4	FIC-M8M4A	

## 4-Pin (Voltage: 30 V DC/AC, Current: 4 A)



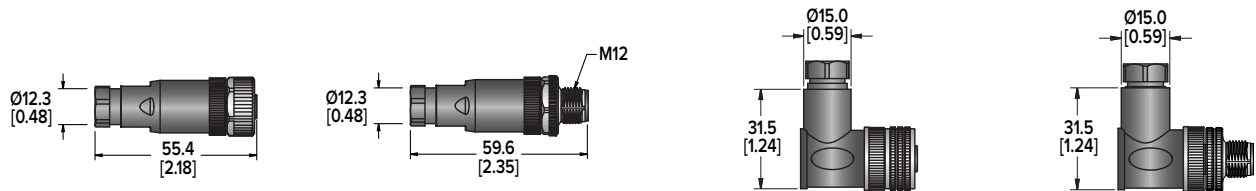
	Straight	Right-Angle	Pinout
4-Pin Female Insulation Displacement	FIC-M8F4	FIC-M8F4A	<div><p>Female</p><p>1 = Brown 2 = White 3 = Blue 4 = Black</p></div>
4-Pin Male Insulation Displacement	FIC-M8M4	FIC-M8M4A	
4-Pin Female Screw Terminal	BFW-M8F4-4X	BFW-M8F4A-4X	<div><p>Male</p><p>1 = Brown 2 = White 3 = Blue 4 = Black</p></div>
4-Pin Male Screw Terminal	BFW-M8M4-4X	BFW-M8M4A-4X	
22 AWG			



# M12 Field Wireable Connectors

Temperature: -40° to +85 °C

Environmental Rating: IP68



## 4-Pin (Voltage: 60 V DC/AC, Current: 4 A)



	Straight	Right-Angle	Pinout
4-Pin Female Screw Terminal	BFW-M12F4-6X	BFW-M12F4A-6X	<p>1 = Brown 2 = White 3 = Blue 4 = Black</p>
4-Pin Male Screw Terminal	BFW-M12M4-6X	BFW-M12M4A-6X	<p>22 AWG</p>

## 5-Pin (Voltage: 60 V DC/AC, Current: 4 A)



	Straight	Right-Angle	Pinout
5-Pin Female Screw Terminal	BFW-M12F5-6X	BFW-M12F5A-6X	<p>1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray</p>
5-Pin Male Screw Terminal	BFW-M12M5-6X	BFW-M12M5A-6X	<p>22 AWG</p>

## 8-Pin (Voltage: 30 V DC/AC, Current: 2 A)

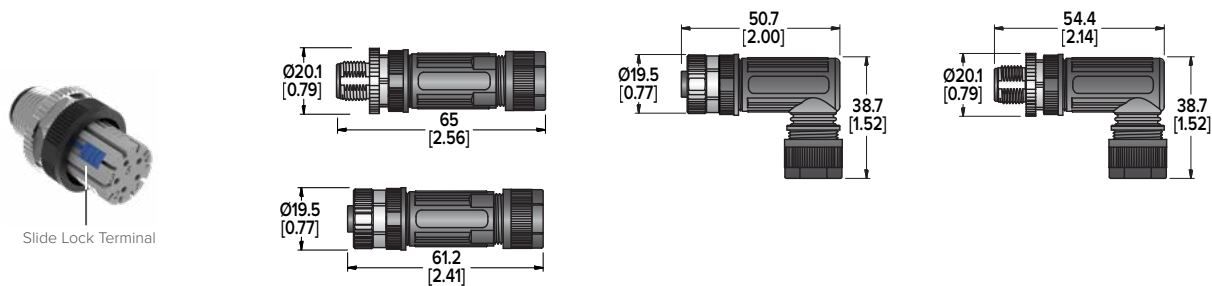


	Straight	Right-Angle	Pinout
8-Pin Female Screw Terminal	BFW-M12F8-8X	BFW-M12F8A-8X	<p>1 = Brown 2 = Or/Bk 3 = Orange 4 = White 5 = Black 6 = Blue 7 = Gr/Ye 8 = Violet</p>
8-Pin Male Screw Terminal	BFW-M12M8-8X	BFW-M12M8A-8X	<p>22 AWG</p>

# M12 Field Wireable Slide Lock

Temperature: -40° to +85 °C

Environmental Rating: IP68



## 4-Pin (Voltage: 60 V DC/AC, Current: 4 A)



	Straight	Right-Angle	Pinout
4-Pin Female Slide Lock Terminal	BFW-M12F4-6SL	BFW-M12F4A-6SL	<p><b>Female</b></p> <p>1 = Brown 2 = White 3 = Blue 4 = Black</p>
4-Pin Male Slide Lock Terminal	BFW-M12M4-6SL	BFWM12M4A-6SL	<p><b>Male</b></p> <p>22 AWG</p>

## 5-Pin (Voltage: 60 V DC/AC, Current: 4 A)



	Straight	Right-Angle	Pinout
5-Pin Female Slide Lock Terminal	BFW-M12F5-6SL	BFW-M12F5A-6SL	<p><b>Female</b></p> <p>1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray</p>
5-Pin Male Slide Lock Terminal	BFW-M12M5-6SL	BFWM12M5A-6SL	<p><b>Male</b></p> <p>22 AWG</p>

# Smarter Automation. Better Solutions.™

Banner Engineering designs and manufactures industrial automation products including sensors, smart IIoT and industrial wireless technologies, LED lights and indicators, measurement devices, machine safety equipment, as well as barcode scanners and machine vision. These solutions help make many of the things we use every day, from food and medicine to cars and electronics. A high-quality, reliable Banner product is installed somewhere around the world every two seconds. Headquartered in Minneapolis since 1966, Banner is an industry leader with more than 10,000 products, operations on five continents, and a world-wide team of more than 5,500 employees and partners. Our dedication to innovation and personable service makes Banner a trusted source of smart automation technologies to customers around the globe.

