

Connectivity Solutions



M12 PVC Cordsets

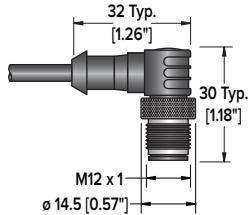
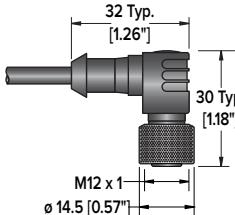
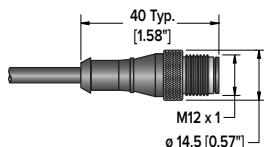
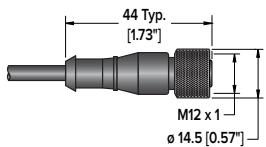
Cable: PVC jacket, PUR (polyurethane) connector body, nickel-plated brass coupling nut

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	
	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	—	
	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	
	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	
	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	
	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



	Length	Straight	Right-Angle	Pinout
5-Pin Male QD to Flying Leads	1 m	BC-M12M5-22-1	—	
	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

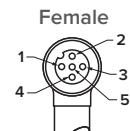


	Length	Straight/Straight (female/male)	Straight/Right-Angle	Pinout
5-Pin Double-Ended	1 m	BC-M12F5-M12M5-22-1	—	
	2 m	BC-M12F5-M12M5-22-2	—	
	5 m	BC-M12F5-M12M5-22-5	—	
	8 m	BC-M12F5-M12M5-22-8	—	
	10 m	BC-M12F5-M12M5-22-10	—	22 AWG Cable ø – 5.6 mm

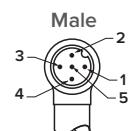


	Length	Straight	Right-Angle	Pinout
5-Pin Female QD to Flying Leads Open Shield with Drain Wire	2 m	BC-M12F5-22-2-SF	BC-M12F5A-22-2-SF	
	5 m	BC-M12F5-22-5-SF	BC-M12F5A-22-5-SF	
	9 m	BC-M12F5-22-10-SF	BC-M12F5A-22-10-SF	
	15 m	BC-M12F5-22-15-SF	—	22 AWG Cable ø – 5.7 mm

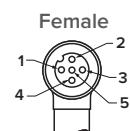
*Not all models are shown. Please contact Banner for other available lengths and double-ended styles.



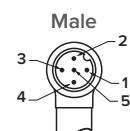
1 = Brown
2 = White
3 = Blue
4 = Black
5 = Gray



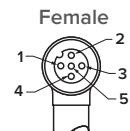
1 = Brown
2 = White
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4 = Black
5 = Gray



1 = Brown
2 = White
3 = Blue
4 = Black
5 = Gray



Cable ø – 5.6 mm



1 = Brown
2 = White
3 = Blue
4 = Black
5 = Gray

22 AWG

Cable ø – 5.6 mm

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	—	
	2 m	BC-M12F8-24-2	—	
	5 m	BC-M12F8-24-5	—	
	10 m	BC-M12F8-24-10	—	24 AWG Cable ø – 5.9 mm



	Length	Straight	Right-Angle	Pinout
8-Pin Male to Flying Leads	1 m	BC-M12M8-24-1	—	
	2 m	BC-M12M8-24-2	—	
	5 m	BC-M12M8-24-5	—	
	10 m	BC-M12M8-24-10	—	24 AWG Cable ø – 5.9 mm



	Length	Straight/Straight (female/male)	Right-Angle/Straight	Pinout
8-Pin Double-Ended	1 m	BC-M12F8-M12M8-24-1	—	
	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	—	24 AWG Cable ø – 5.9 mm



	Length	Straight	Right-Angle	Pinout
8-Pin Female QD to Flying Leads Open Shield with Drain Wire	1 m	BC-M12F8-24-1-SF	—	
	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	—	24 AWG Cable ø – 5.6 mm

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

Legacy M12 PVC Cordsets

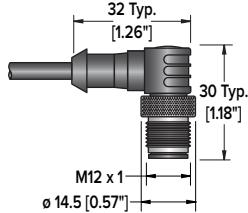
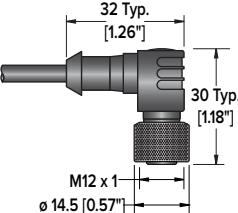
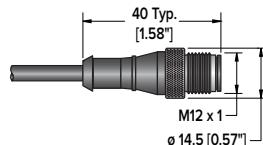
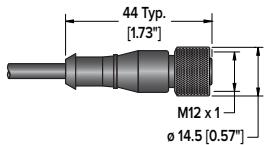
Cable: PVC jacket, PUR (polyurethane) connector body, nickel-plated brass coupling nut

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	—	
	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

	2 m	MQDMC-406	MQDMC-406RA			
5 m	MQDMC-415	MQDMC-415RA				
9 m	MQDMC-430	MQDMC-430RA				

	Length	Straight/Straight (female/male)	Straight/Right-Angle (female/male)	Pinout
4-Pin Double-Ended	0.3 m	MQDEC-401SS	MQDEC-401RS	
	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	
	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	—	
	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



5-Pin Male QD to Flying Leads	2 m	MQDMC-506	MQDMC-506RA	
	5 m	MQDMC-515	MQDMC-515RA	
	9 m	MQDMC-530	MQDMC-530RA	
	22 AWG			Cable ø – 5.6 mm

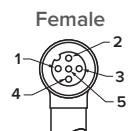


	Length	Straight/Straight (female/male)	Straight/Right-Angle	Pinout
5-Pin Double-Ended	0.3 m	MQDEC-501SS	—	
	1 m	MQDEC-503SS	—	
	2 m	MQDEC-506SS	—	
	5 m	MQDEC-515SS	—	
	9 m	MQDEC-530SS	—	
	15 m	MQDEC-550SS	—	22 AWG Cable ø – 5.6 mm

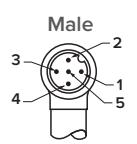


	Length	Straight	Right-Angle	Pinout
5-Pin Female QD to Flying Leads Open Shield with Drain Wire	2 m	MQDEC2-506	MQDEC2-506RA	
	5 m	MQDEC2-515	MQDEC2-515RA	
	9 m	MQDEC2-530	MQDEC2-530RA	
	15 m	MQDEC2-550	MQDEC2-550RA	
	23 m	MQDEC2-575	MQDEC2-575RA	
	30 m	MQDEC2-5100	MQDEC2-5100RA	22 AWG Cable ø – 5.7 mm

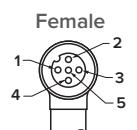
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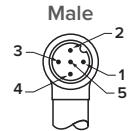
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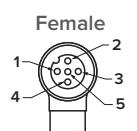
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3 = Blue
4 = Black
5 = Gray



1 = Brown
2 = White
3 = Blue
4 = Black
5 = Gray



Cable ø – 5.6 mm



1 = Brown
2 = White
3 = Blue
4 = Black
5 = Gray

22 AWG

Cable ø – 5.7 mm

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	Pinout: 1 = White, 2 = Brown, 3 = Green, 4 = Yellow, 5 = Gray, 6 = Pink, 7 = Blue, 8 = Red 24 AWG, Cable ø – 5.9 mm
	5 m	MQDC1-815	MQDC1-815RA	
	9 m	MQDC1-830	MQDC1-830RA	
	15 m	MQDC1-850	MQDC1-850RA	
	30 m	MQDC1-8100	—	



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



	Length	Straight/Straight (female/male)	Right-Angle/Straight	Pinout
8-Pin Double-Ended	1 m	MQDEC1-803SS	—	Pinout: 1 = White, 2 = Brown, 3 = Green, 4 = Yellow, 5 = Gray, 6 = Pink, 7 = Blue, 8 = Red 24 AWG, Cable ø – 5.9 mm
	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	Pinout: 1 = White, 2 = Brown, 3 = Green, 4 = Yellow, 5 = Gray, 6 = Pink, 7 = Blue, 8 = Red 24 AWG, Cable ø – 5.6 mm
	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	—	Pinout: 1 = White, 2 = Brown, 3 = Green, 4 = Yellow, 5 = Gray, 6 = Pink, 7 = Blue, 8 = Red, 9 = Orange, 10 = Tan, 11 = Black, 12 = Violet 24 AWG, Cable ø – 6.35 mm
	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

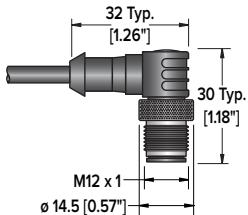
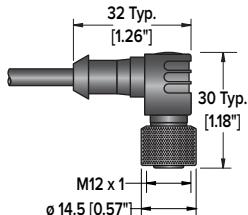
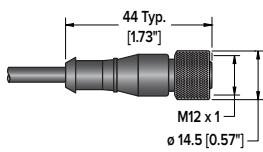
Cable: PUR jacket, PUR (polyurethane) connector body, nickel-plated brass coupling nut

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	
	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	
	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	
	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

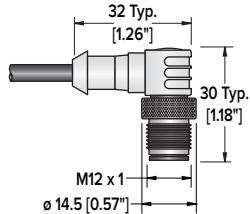
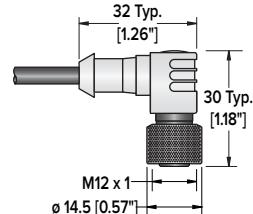
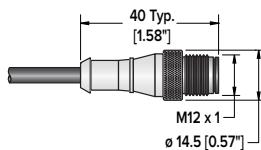
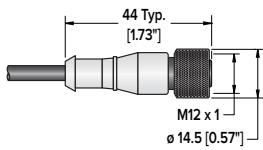
Vibration Shock: Meets IEC 60068-2-6 requirements

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-GYPR	 22 AWG Cable ø – 5.2 mm
	5 m	MQDC-415-GYP	MQDC-415-GYPR	
	9 m	MQDC-430-GYP	MQDC-430-GYPR	
4-Pin NPN	2 m	MQDC-406-GYN	MQDC-406-GYNR	 22 AWG Cable ø – 5.2 mm
	5 m	MQDC-415-GYN	MQDC-415-GYNR	
	9 m	MQDC-430-GYN	MQDC-430-GYNR	

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-GYPR	 22 AWG Cable ø – 5.6 mm
	5 m	MQDC-515-GYP	MQDC-515-GYPR	
	9 m	MQDC-530-GYP	MQDC-530-GYPR	
5-Pin NPN	2 m	MQDC-506-GYN	MQDC-506-GYNR	 22 AWG Cable ø – 5.6 mm
	5 m	MQDC-515-GYN	MQDC-515-GYNR	
	9 m	MQDC-530-GYN	MQDC-530-GYNR	



M12 Specialty Cordsets

Coiled Cordsets

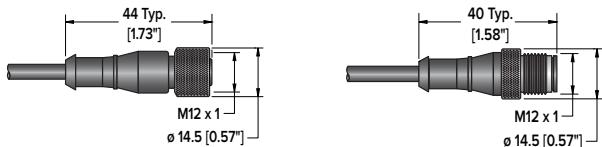
Cable: PUR jacket, black PUR connector body, nickel-plated brass coupling nut

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

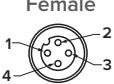
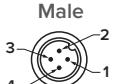


4-Pin (Voltage: 250 V DC/AC, Current: 4 A)



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



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

M12 Specialty Cordsets

High Pressure and Temperature Washdown Cordsets

Cable: PVC jacket, 316 stainless steel nut

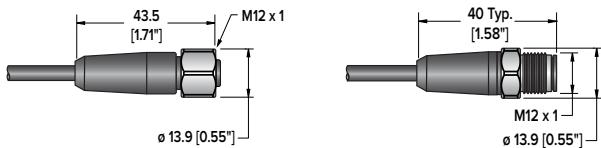
Vibration Shock: Meets IEC 60068-2-6 requirements

Mechanical Shock: Meets IEC 60068-2-27 requirements

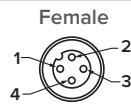
Temperature: -40 to +70 °C

Environmental Rating: IP66, IP67, IP68, IP69K, NEMA 1, UL Type 1

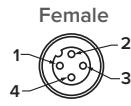
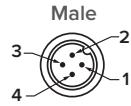
Certifications:  test F and E Nr. 40-1



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

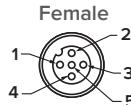
	Length	Straight	Pinout
4-Pin	2 m	MQDC-WDSS-0406	 1 = Brown 2 = White 3 = Blue 4 = Black 22 AWG Cable ø – 4.8 mm
	5 m	MQDC-WDSS-0415	
	9 m	MQDC-WDSS-0430	



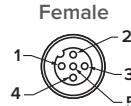
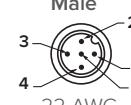
	Length	Straight/Straight	Pinout
4-Pin Double-Ended	0.31 m	MQDEC-WDSS-401SS	 1 = Brown 2 = White 3 = Blue 4 = Black 22 AWG Cable ø – 4.8 mm
	0.91 m	MQDEC-WDSS-403SS	
	1.83 m	MQDEC-WDSS-406SS	 3 = Blue 2 = White 1 = Brown 4 = Black 22 AWG Cable ø – 4.8 mm
	3.7 m	MQDEC-WDSS-412SS	



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

	Length	Straight	Pinout
5-Pin	2 m	MQDC-WDSS-0506	 1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray 22 AWG 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	 1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray 22 AWG Cable ø – 4.8 mm
	3 m	MQDEC-WDSS-510SS	
	4.57 m	MQDEC-WDSS-515SS	 3 = Blue 2 = White 1 = Brown 4 = Black 5 = Gray 22 AWG Cable ø – 4.8 mm



M12 Specialty Cordsets

Chemical Washdown Cordsets

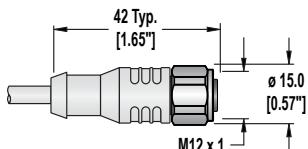
Cable: White polypropylene jacket, polypropylene connector body, polypropylene contact carriers, 316 stainless steel nut

Vibration Shock: Meets IEC 60068-2-6 requirements

Mechanical Shock: Meets IEC 60068-2-27 requirements

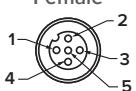
Temperature: -40°C to $+90^{\circ}\text{C}$

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	 1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray
	9 m	MQDCWD-530	22 AWG Cable \varnothing – 4.5 mm

Namur

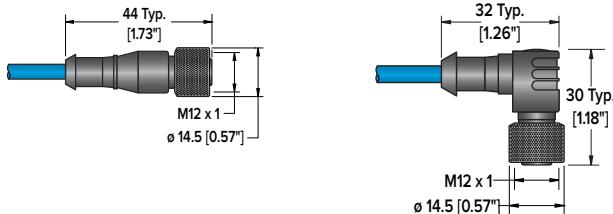
Cable: Blue PVC jacket, PUR connector body, nickel-plated brass coupling nut

Vibration Shock: Meets IEC 60068-2-6 requirements

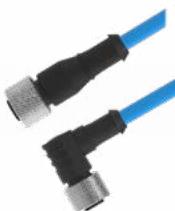
Mechanical Shock: Meets IEC 60068-2-27 requirements

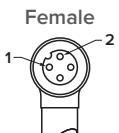
Temperature: -40°C to $+105^{\circ}\text{C}$

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	 1 = Brown 2 = Blue
	5 m	MQD9-415	MQD9-415RA	
	9 m	MQD9-430	MQD9-430RA	20 AWG Cable \varnothing – 5.2 mm

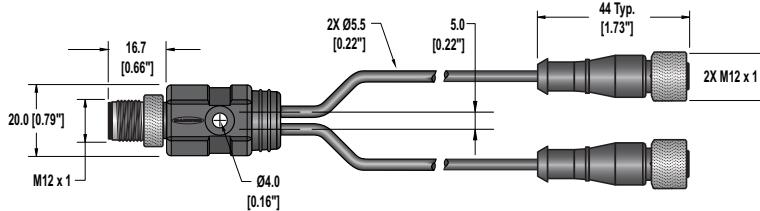
M12 Splitters and Tees

Round QD Splitters

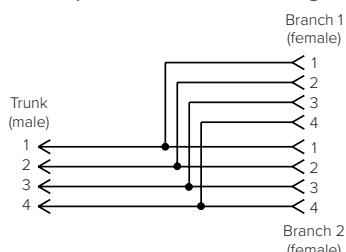
Cable: PVC jacket, PUR (polyurethane) connector body, nickel-plated brass coupling nut

Temperature: -40 to +90 °C

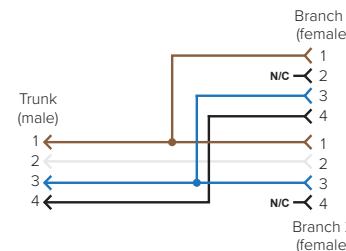
Environmental Rating: IP68



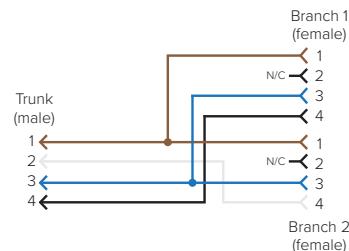
Example of Parallel 4-Pin Wiring



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	0.3 m	 1 = Brown 2 = White 3 = Blue 4 = Black
	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	 1 = Brown 2 = White 3 = Blue 4 = Black
	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	 1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gn/Ye

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

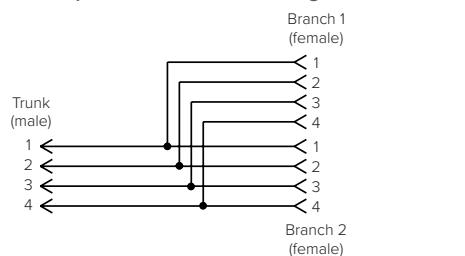


Figure A

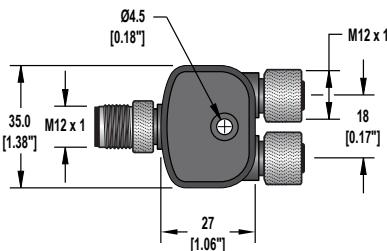


Figure B

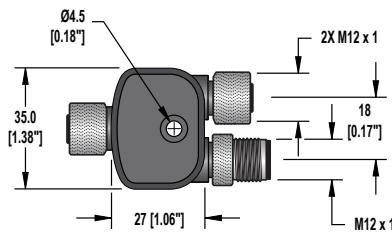
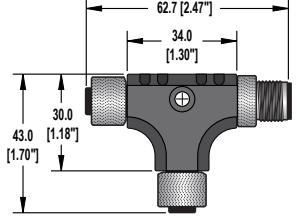
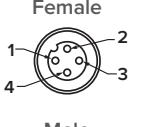


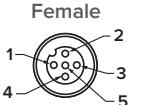
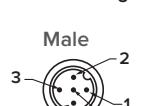
Figure C



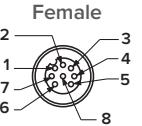
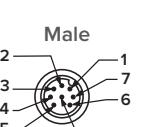
4-Pin (Voltage: 250 V DC/AC, Current: 4 A)

	Models	Dimensional Drawing	Pinout
	4-Pin CSB-M1240M1240	Figure A	  <p>Female 1 = Brown 2 = White 3 = Blue 4 = Black 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 CSB-M1250M1250A CSB-M1250M1250	Figure C	  <p>Female 1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray 22 AWG Cable ø – 5.5 mm</p>
			
			

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

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

M12 Splitters and Tees

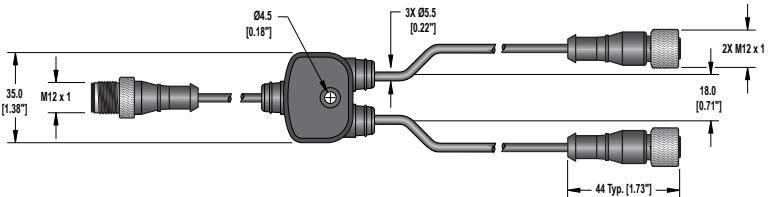
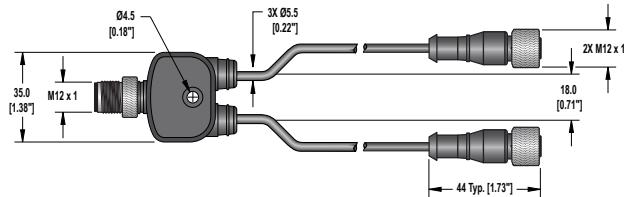
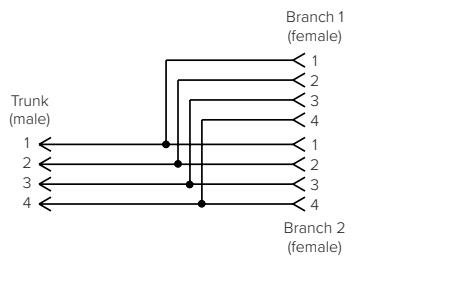
Flat QD Splitters

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

Temperature: -40 to +90 °C

Environmental Rating: IP68

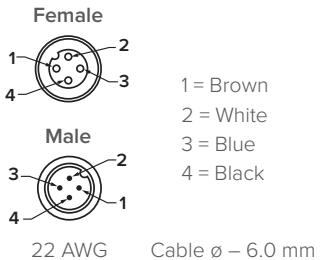
Example of Parallel 4-Pin Wiring



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
	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

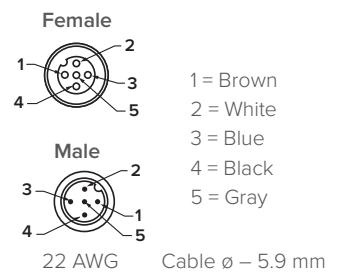


22 AWG Cable ø – 6.0 mm

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)
	CSB-M1251FM1251M	0.3 m (Female)	2 x 0.3 m (Male)

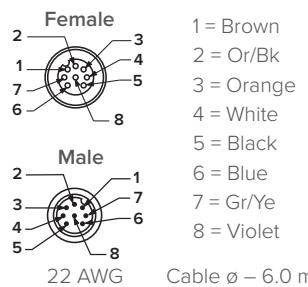


22 AWG Cable ø – 5.9 mm

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



22 AWG Cable ø – 6.0 mm

M12 Splitters and Tees

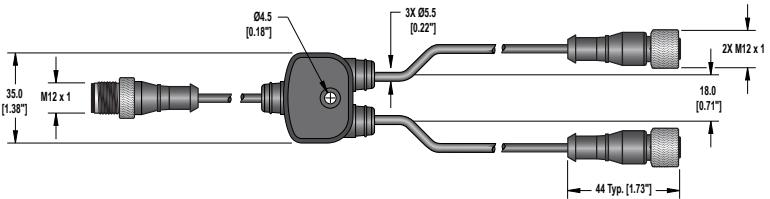
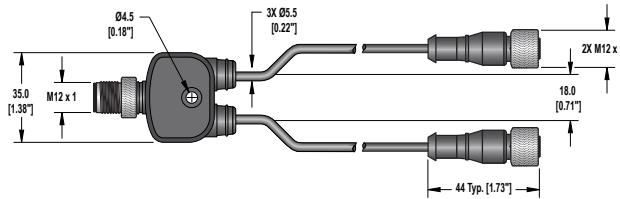
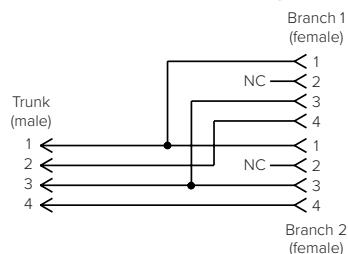
Wiring Splitters

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

Temperature: -40 to $+105$ °C

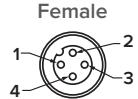
Environmental Rating: IP68

Example of 4-Pin Wiring

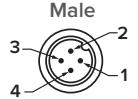


4-Pin (Voltage: 250 V DC/AC, Current: 4 A)

Models	Cable Lengths		Pinout
	Trunk (Male)	Branches (Female)	
4-Pin	CSA-M1240M1241	No Trunk/ Integral QD	2 x 0.3 m
	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



1 = Brown
2 = White
3 = Blue
4 = Black



M12 Multi-port Splitters

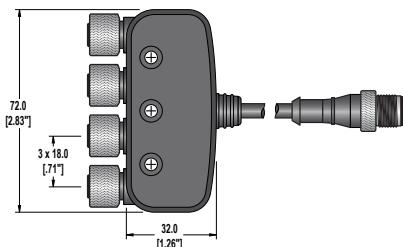
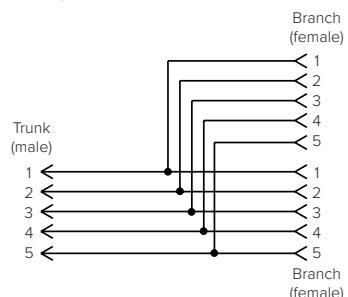
Multi-port Splitters

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

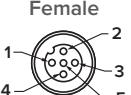
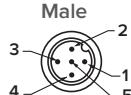
Temperature: -40° to +90° C

Environmental Rating: IP68

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



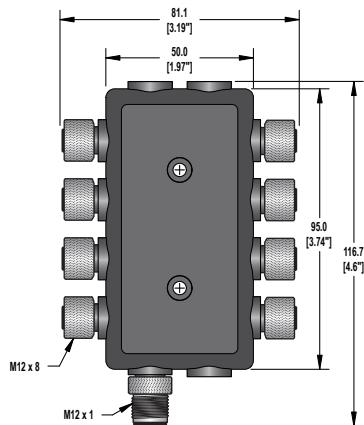
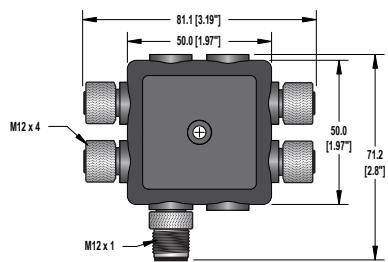
5-Pin (Voltage: 30 V DC/AC, Current: 2 A)

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

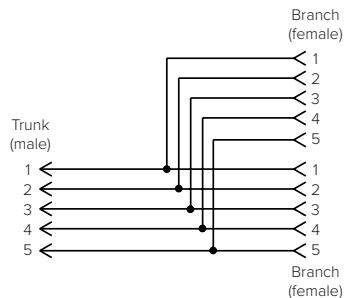
M12 Molded Junction Blocks

Temperature: -40 to +70 °C

Environmental Rating: IP65, IP67, and IP68

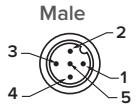


Example of Parallel 5-Pin Wiring
(diagram applies to all branches)

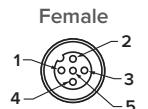


5-Pin (Voltage: 30 V DC/AC, Current: 2 A)

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



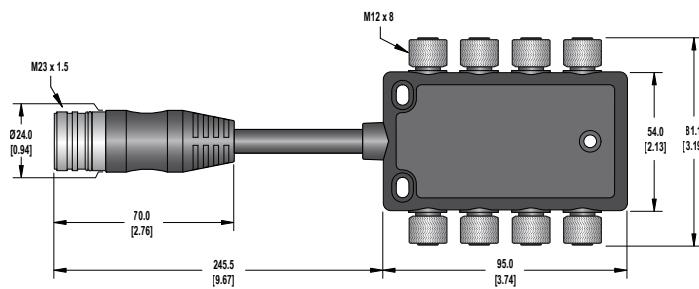
1 = Brown
2 = White
3 = Blue
4 = Black
5 = Gray



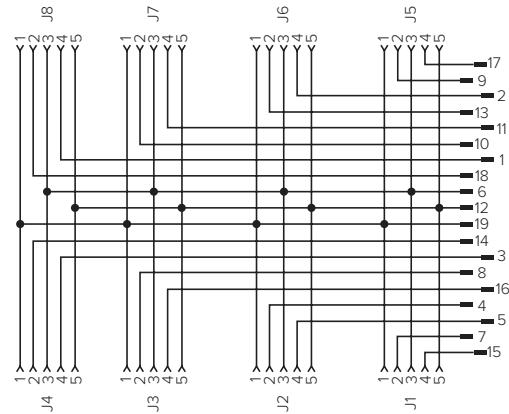
Molded I/O Junction Blocks

Temperature: -40 to $+70$ °C

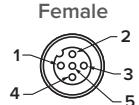
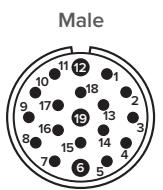
Environmental Rating: IP67



Wiring Diagram



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

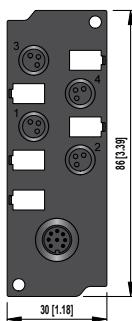
Models	Cable Lengths		Pinout
	Branches (Female)	Trunk	
5-Pin	R95-8M125-C1-D24P	1 m with Flying Leads	 1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray
	R95-8M125-0.3M23-D24P	0.3 m 19-pin M23 Male QD	1 = Purple 2 = Red 3 = Gray 4 = Red/Blue 5 = Green 6 = Blue (18 AWG) 7 = Gray/Pink 8 = White/Green 9 = 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)
	R95-8M125-C1-D24	1 m with Flying Leads	 1-19
	R95-8M125-0.3M23-D24	0.3 m 19-pin M23 Male QD	
			18 and 22 AWG Cable ø – 9.2 mm



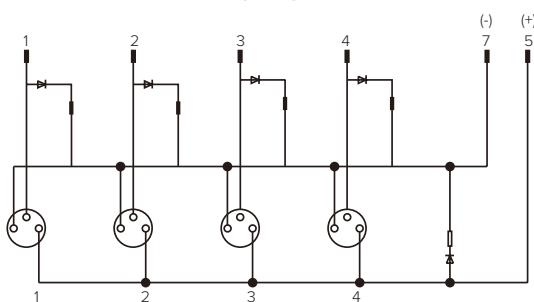
M8 I/O Junction Blocks

Temperature: -25 to +80 °C

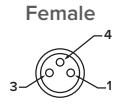
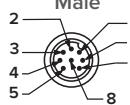
Environmental Rating: IP67

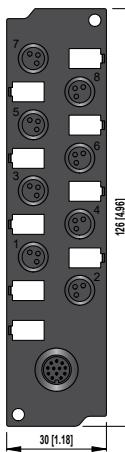


Wiring Diagram

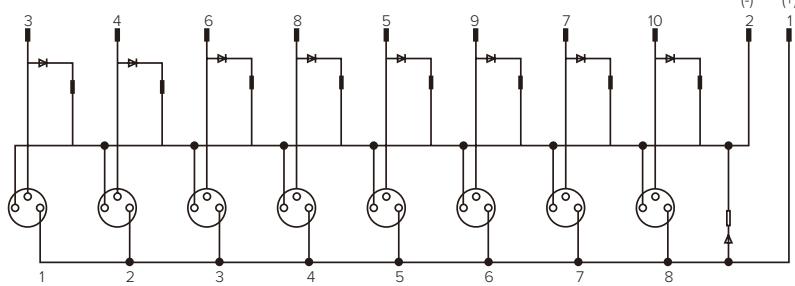


4 Port 3-Pin (Voltage: 120 V DC/AC, Current: X A)

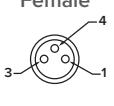
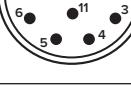
	Models	Output	Pinout
3-Pin to 8-Pin	JB-4M8-M12-P4	PNP	 1 = Brown 3 = Blue 4 = Black
	JB-4M8-M12-N4	NPN	 1 = White 2 = Brown 3 = Green 4 = Yellow
	JB-4M8-M12-4	Discrete	 5 = Gray 6 = Pink 7 = Blue 8 = Red



Wiring Diagram



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

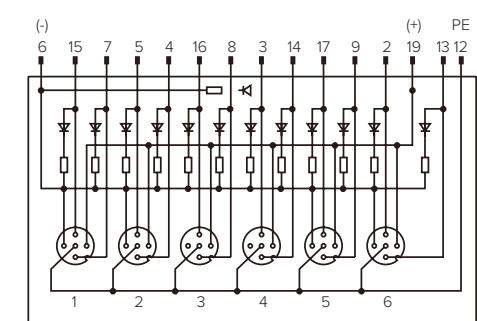
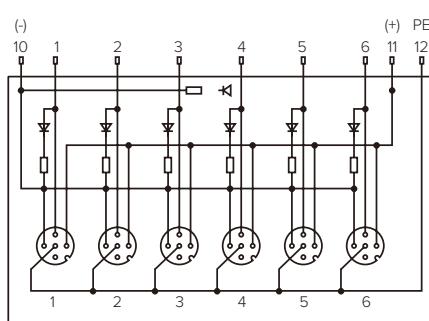
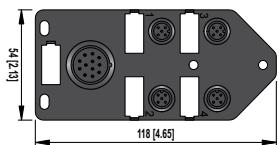
	Models	Output	Pinout
3-Pin to 12-Pin	JB-8M8-M12-P4	PNP	 1 = Brown 3 = Blue 4 = Black
	JB-8M8-M12-N4	NPN	 1 = White 2 = Brown 3 = Green 4 = Yellow
	JB-8M8-M12-4	Discrete	 7 = Blue 8 = Red 9 = Orange 10 = Tyrian Purple 11 = Black 12 = Violet



M12 I/O Junction Blocks

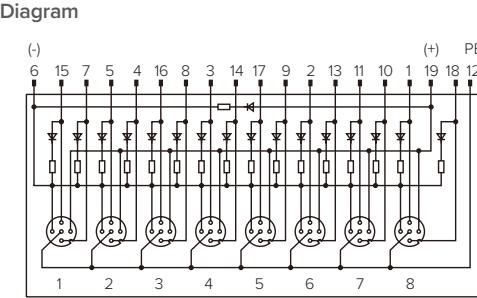
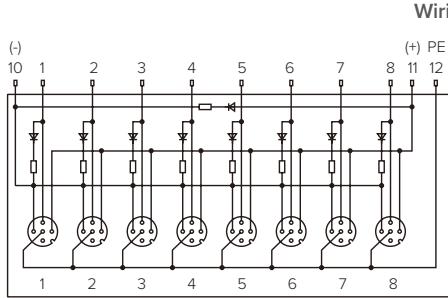
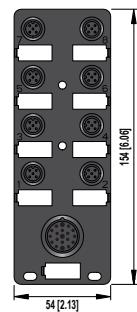
Temperature: -25 to +80 °C

Environmental Rating: IP67



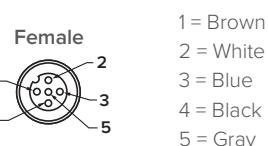
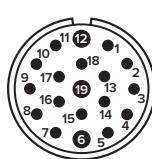
4 Port 5-Pin (Voltage: 120 V DC/AC, Current: 2 A)

Models	Output	Pinout
5-Pin to 12-Pin	JB-4M12-M23-P24	PNP
	JB-4M12-M23-N24	NPN
	JB-4M12-M23-24	Discrete



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

Models	Output	Pinout
5-Pin to 19-Pin	JB-8M12-M23-P24	PNP
	JB-8M12-M23-N24	NPN
	JB-8M12-M23-24	Discrete



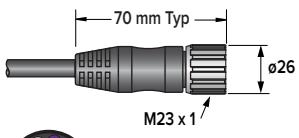
1 = Brown	11 = Black
2 = White	12 = Green/Yellow (18 AWG)
3 = Blue	13 = Yellow/Brown
4 = Black	14 = Brown/Green
5 = Gray	15 = White
	16 = Yellow
	17 = Pink
	18 = Gray/Brown
	19 = Brown (18 AWG)

M23 PVC Cordsets

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

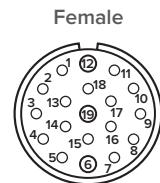
Temperature: -25° to +85° C

Environmental Rating: IP67 and IP68

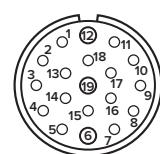


19-Pin (Voltage: 150 V DC/AC, Current: 8 A (18 gauge), 2A (22 gauge))

	Length	Straight	Pinout
19-Pin Female QD to Flying Leads	1 m	BC-M23F19-1822-1	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)
	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	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)
	5 m	BC-M23F19-1822-5-SFP	
	10 m	BC-M23F19-1822-10-SFP	



19-Pin Female QD to Flying Leads Open Shield with Drain Wire

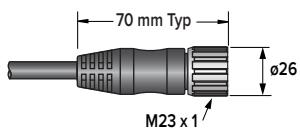
*Not all models are shown. Please contact Banner for other available lengths and double-ended styles.

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	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)
	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	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)
	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.

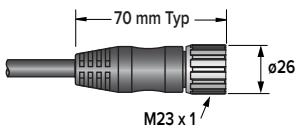


M23 PVC Cordsets

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	—	 Female
	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	 Female
	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	—	 Male
	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

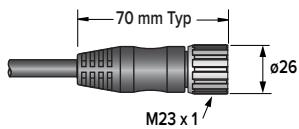
*Not all models are shown. Please contact Banner for other available lengths and double-ended styles.

M23 PVC Cordsets

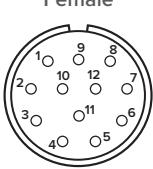
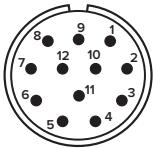
Cable: PVC jacket, PUR (polyurethane) connector body, nickel-plated brass coupling nut

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
19-Pin Double-Ended	2 m	BC-M23F12-M23M12-22-2	  <p>Female</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>
	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	

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

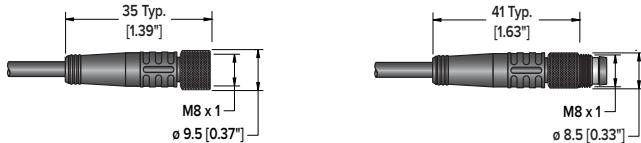


M8 PVC Cordsets

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

Temperature: -40° to +70° C

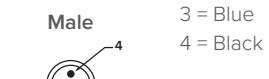
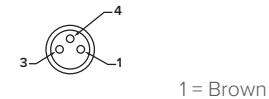
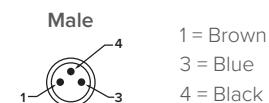
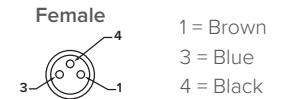
Environmental Rating: IP67



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 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 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
3-Pin Double-Ended	Length	Straight/Straight (female/male)	Pinout
	0.5 m	BC-M8F3-M8M3-24-0.5	
	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 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
			 1 = Brown 2 = White 3 = Blue 4 = Black
4-Pin Male QD to Flying Leads	0.5 m	BC-M8M4-24-0.5	
	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
			 1 = Brown 2 = White 3 = Blue 4 = Black
4-Pin Double-Ended	0.5 m	BC-M8F4-M8M4-24-0.5	
	1 m	BC-M8F4-M8M4-24-1	
	2 m	BC-M8F4-M8M4-24-2	
	5 m	BC-M8F4-M8M4-24-5	
	8 m	BC-M8F4-M8M4-24-8	
	10 m	BC-M8F4-M8M4-24-10	24 AWG Cable ø – 4.4 mm
			 1 = Brown 2 = White 3 = Blue 4 = Black

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

Smarter Automation. Better Solutions.™

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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.

