

# Connectivity Solutions



# M12 PVC Cordsets

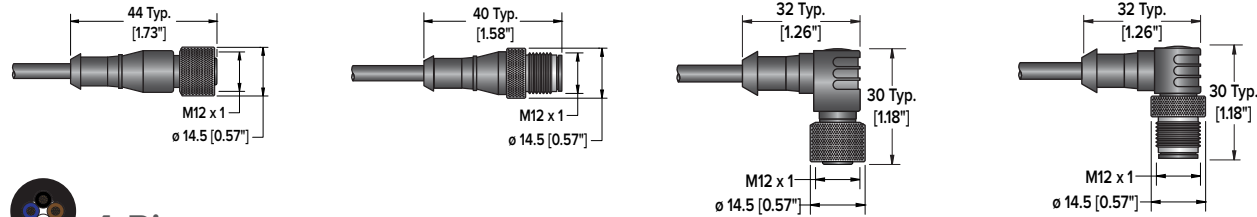
**Cable:** PVC jacket, PUR (polyurethane) connector body, nickel-plated brass coupling nut

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

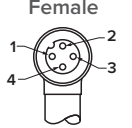
**Mechanical Shock:** Meets IEC 60068-2-27 requirements


**Temperature:** -40° to +70° C

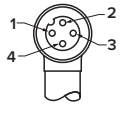
**Environmental Rating:** IP66, IP67, IP68, NEMA 1, UL Type 1

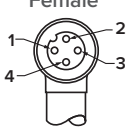


**4-Pin** (Voltage: 250 V dc/ac, Current: 4 A)

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

4-Pin Male QD to Flying Leads	1 m	BC-M12M4-22-1	—	 1 = Brown 2 = White 3 = Blue 4 = Black 22 AWG Cable ø – 5.2 mm
	2 m	BC-M12M4-22-2	—	
	5 m	BC-M12M4-22-5	—	
	8 m	BC-M12M4-22-8	—	
	10 m	BC-M12M4-22-10	—	

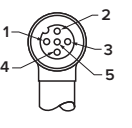
	Length	Straight/Straight (female/male)	Straight/Right-Angle (female/male)	Pinout
4-Pin Double-Ended	0.3 m	BC-M12F4-M12M4-22-0.3	BC-M12F4-M12M4A-22-0.3	 1 = Brown 2 = White 3 = Blue 4 = Black 22 AWG Cable ø – 5.2 mm
	0.5 m	BC-M12F4-M12M4-22-0.5	—	
	1 m	BC-M12F4-M12M4-22-1	BC-M12F4-M12M4A-22-1	
	2 m	BC-M12F4-M12M4-22-2	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	

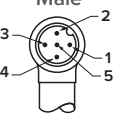
	Length	Straight	Right-Angle	Pinout
4-Pin Female QD to Flying Leads Open Shield with Drain Wire	2 m	BC-M12F4-22-2-SF	BC-M12F4A-22-2-SF	 1 = Brown 2 = White 3 = Blue 4 = Black 22 AWG Cable ø – 5.2 mm
	5 m	BC-M12F4-22-5-SF	—	
	10 m	BC-M12F4-22-10-SF	BC-M12F4A-22-10-SF	

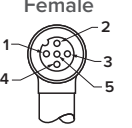
\*Not all models are shown. Please contact Banner for other available lengths and double-ended styles.

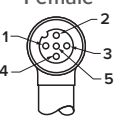
# M12 PVC Cordsets

**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	 1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray 22 AWG Cable ø – 5.6 mm
	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	—	

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

	Length	Straight/Straight (female/male)	Straight/Right-Angle	Pinout
5-Pin Double-Ended	1 m	BC-M12F5-M12M5-22-1	—	 1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray 22 AWG Cable ø – 5.6 mm
	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	—	

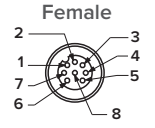
	Length	Straight	Right-Angle	Pinout
5-Pin Female QD to Flying Leads Open Shield with Drain Wire	2 m	BC-M12F5-22-2-SF	BC-M12F5A-22-2-SF	 1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray 22 AWG Cable ø – 5.7 mm
	5 m	BC-M12F5-22-5-SF	BC-M12F5A-22-5-SF	
	9 m	BC-M12F5-22-10-SF	BC-M12F5A-22-10-SF	

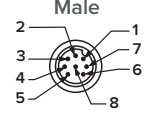
\*Not all models are shown. Please contact Banner for other available lengths and double-ended styles.

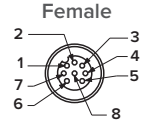
# M12 PVC Cordsets

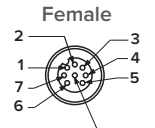


## 8-Pin (Voltage: 30 V dc/ac, Current: 2 A)

	Length	Straight	Right-Angle	Pinout
8-Pin Female to Flying Leads	1 m	BC-M12F8-24-1	—	 1 = White    5 = Gray 2 = Brown   6 = Pink 3 = Green    7 = Blue 4 = Yellow   8 = Red
	2 m	BC-M12F8-24-2	—	
	5 m	BC-M12F8-24-5	—	
	10 m	BC-M12F8-24-10	—	

	Length	Straight	Right-Angle	Pinout
8-Pin Male to Flying Leads	1 m	BC-M12M8-24-1	—	 1 = White    5 = Gray 2 = Brown   6 = Pink 3 = Green    7 = Blue 4 = Yellow   8 = Red
	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	—	 1 = White    5 = Gray 2 = Brown   6 = Pink 3 = Green    7 = Blue 4 = Yellow   8 = Red
	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	—	 1 = White    5 = Gray 2 = Brown   6 = Pink 3 = Green    7 = Blue 4 = Yellow   8 = Red
	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	—	

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

# Legacy M12 PVC Cordsets

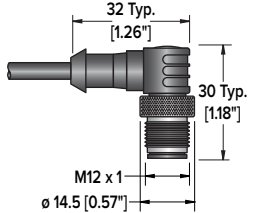
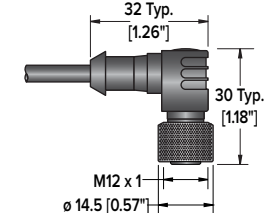
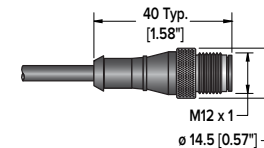
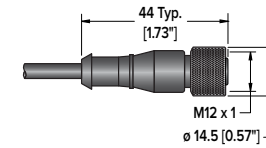
**Cable:** PVC jacket, PUR (polyurethane) connector body, nickel-plated brass coupling nut

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

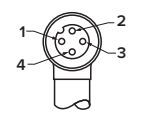
**Mechanical Shock:** Meets IEC 60068-2-27 requirements

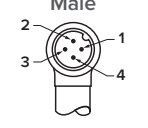
**Temperature:** -40° to +70° C

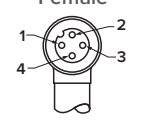
**Environmental Rating:** IP66, IP67, IP68, NEMA 1, UL Type 1

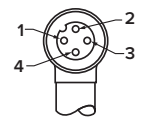


## 4-Pin (Voltage: 250 V dc/ac, Current: 4 A)

	Length	Straight	Right-Angle	Pinout
4-Pin Female QD to Flying Leads	1 m	MQDC-403	—	 1 = Brown 2 = White 3 = Blue 4 = Black
	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	

	Length	Straight/Straight (female/male)	Right-Angle/Straight	Pinout
4-Pin Male QD to Flying Leads	2 m	MQDMC-406	MQDMC-406RA	 1 = Brown 2 = White 3 = Blue 4 = Black
	5 m	MQDMC-415	MQDMC-415RA	
	9 m	MQDMC-430	MQDMC-430RA	


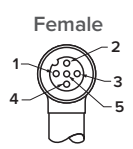

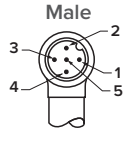

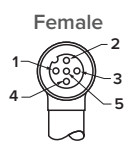

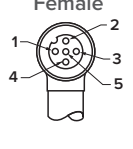
	Length	Straight/Straight (female/male)	Straight/Right-Angle (female/male)	Pinout
4-Pin Double-Ended	0.3 m	MQDEC-401SS	MQDEC-401RS	 1 = Brown 2 = White 3 = Blue 4 = Black
	0.6 m	MQDEC-402SS	—	
	0.9 m	MQDEC-403SS	MQDEC-403RS	
	1.8 m	MQDEC-406SS	MQDEC-406RS	
	3.0 m	MQDEC-410SS	—	
	3.6 m	MQDEC-412SS	MQDEC-412RS	
	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	

	Length	Straight	Right-Angle	Pinout
4-Pin Female QD to Flying Leads Open Shield with Drain Wire	2 m	MQDEC2-406	MQDEC2-406RA	 1 = Brown 2 = White 3 = Blue 4 = Black
	5 m	MQDEC2-415	MQDEC2-415RA	
	9 m	MQDEC2-430	MQDEC2-430RA	
	15 m	MQDEC2-450	MQDEC2-450RA	

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

# Legacy M12 PVC Cordsets


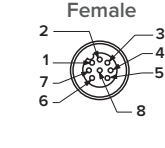

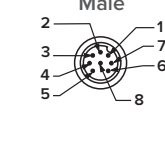

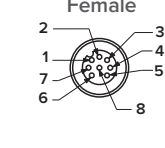

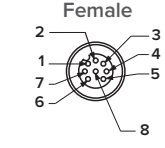

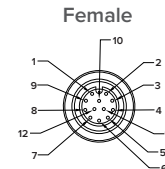
## 5-Pin (Voltage: 60 V dc/ac, Current: 4 A)

	Length	Straight	Right-Angle	Pinout
 5-Pin Female QD to Flying Leads	0.9 m	MQDC1-503	—	 Female 1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray
	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	—	
 5-Pin Male QD to Flying Leads	2 m	MQDMC-506	MQDMC-506RA	 Male 1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray
	5 m	MQDMC-515	MQDMC-515RA	
	9 m	MQDMC-530	MQDMC-530RA	
 5-Pin Double-Ended	Length	Straight/Straight (female/male)	Straight/Right-Angle	Pinout
	0.3 m	MQDEC-501SS	—	 Female 1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray
	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	
 5-Pin Female QD to Flying Leads Open Shield with Drain Wire	Length	Straight	Right-Angle	Pinout
	2 m	MQDEC2-506	MQDEC2-506RA	 Female 1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray
	5 m	MQDEC2-515	MQDEC2-515RA	
	9 m	MQDEC2-530	MQDEC2-530RA	
	15 m	MQDEC2-550	MQDEC2-550RA	
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	 Female 1 = White 2 = Brown 3 = Green 4 = Yellow 5 = Gray 6 = Pink 7 = Blue 8 = Red
	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	—	 Male 1 = White 2 = Brown 3 = Green 4 = Yellow 5 = Gray 6 = Pink 7 = Blue 8 = Red
	5 m	MQDMC1-815	—	
	9 m	MQDMC1-830	—	
	15 m	MQDMC1-850	—	
 8-Pin Double-Ended	Length	Straight/Straight (female/male)	Right-Angle/Straight	Pinout
	1 m	MQDEC1-803SS	—	 Female 1 = White 2 = Brown 3 = Green 4 = Yellow 5 = Gray 6 = Pink 7 = Blue 8 = Red
	2 m	MQDEC1-806SS	—	
	5 m	MQDEC1-815SS	—	
	9 m	MQDEC1-830SS	—	
	15 m	MQDEC1-850SS	—	
30 m	MQDEC1-8100SS	—	24 AWG Cable ø – 5.9 mm	
 8-Pin Female QD to Flying Leads Open Shield with Drain Wire	Length	Straight	Right-Angle	Pinout
	2 m	MQDC2S-806	MQDC2S-806RA	 Female 1 = White 2 = Brown 3 = Green 4 = Yellow 5 = Gray 6 = Pink 7 = Blue 8 = Red
	5 m	MQDC2S-815	MQDC2S-815RA	
	10 m	MQDC2S-830	MQDC2S-830RA	
	16 m	MQDC2S-850	MQDC2S-850RA	
31 m	MQDC2S-8100	—	24 AWG Cable ø – 5.6 mm	
 12-Pin Female to Flying Leads	Length	Straight	Right-Angle	Pinout
	2 m	MQDC-1206	—	 Female 1 = White 2 = Brown 3 = Green 4 = Yellow 5 = Gray 6 = Pink 7 = Blue 8 = Red 9 = Orange 10 = Tan 11 = Black 12 = Violet
	3 m	MQDC-1210	—	
	5 m	MQDC-1215	—	
	9 m	MQDC-1230	—	
24 AWG Cable ø – 6.35 mm				

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

# M12 PUR Cordsets

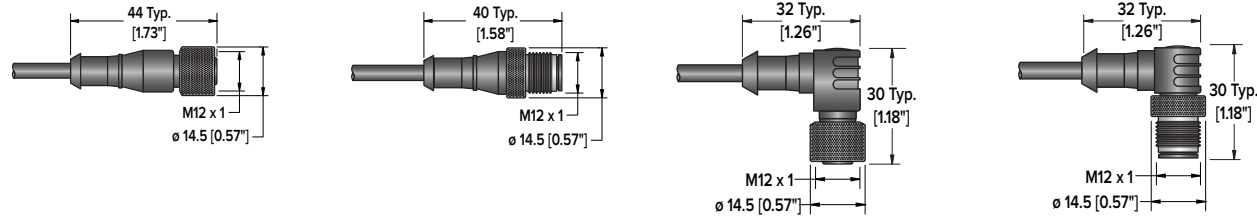
**Cable:** PUR jacket, PUR (polyurethane) connector body, nickel-plated brass coupling nut

**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 1 = Brown 2 = White 3 = Blue 4 = Black 22 AWG Cable <math>\phi</math> – 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 1 = Brown 2 = White 3 = Blue 4 = Black</p> <p>Male 1 = Brown 2 = White 3 = Blue 4 = Black 22 AWG Cable <math>\phi</math> – 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	
	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

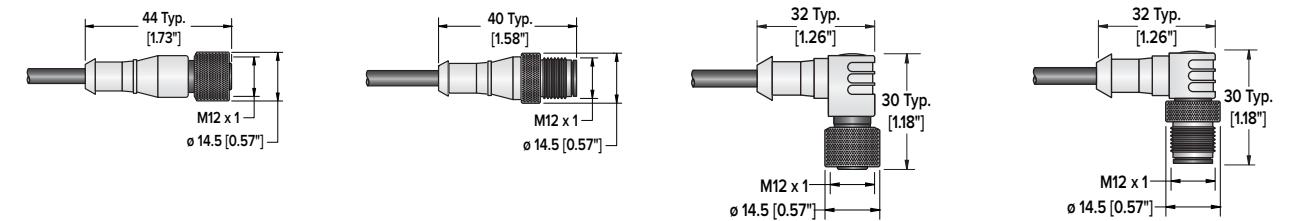
**Vibration Shock:** Meets IEC 60068-2-6 requirements

**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 V dc to 30 V dc at 15 mA max)



	Length	Straight	Right-Angle	Pinout
4-Pin PNP	2 m	MQDC-406-GYP	MQDC-406-GYPRA	<p>Female 1 = Brown 2 = White 3 = Blue 4 = Black (ouput LED) 22 AWG Cable <math>\phi</math> – 5.2 mm</p>
	5 m	MQDC-415-GYP	MQDC-415-GYPRA	
	9 m	MQDC-430-GYP	MQDC-430-GYPRA	



	Length	Straight	Right-Angle	Pinout
4-Pin NPN	2 m	MQDC-406-GYN	MQDC-406-GYNRA	<p>Female 1 = Brown 2 = White 3 = Blue 4 = Black (ouput LED) 22 AWG Cable <math>\phi</math> – 5.2 mm</p>
	5 m	MQDC-415-GYN	MQDC-415-GYNRA	
	9 m	MQDC-430-GYN	MQDC-430-GYNRA	

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

	Length	Straight	Right-Angle	Pinout
5-Pin PNP	2 m	MQDC-506-GYP	MQDC-506-GYPRA	<p>Female 1 = Brown 2 = White 3 = Blue 4 = Black (ouput LED) 5 = Gray 22 AWG Cable <math>\phi</math> – 5.6 mm</p>
	5 m	MQDC-515-GYP	MQDC-515-GYPRA	
	9 m	MQDC-530-GYP	MQDC-530-GYPRA	

	Length	Straight	Right-Angle	Pinout
5-Pin NPN	2 m	MQDC-506-GYN	MQDC-506-GYNRA	<p>Female 1 = Brown 2 = White 3 = Blue 4 = Black (ouput LED) 5 = Gray 22 AWG Cable <math>\phi</math> – 5.6 mm</p>
	5 m	MQDC-515-GYN	MQDC-515-GYNRA	
	9 m	MQDC-530-GYN	MQDC-530-GYNRA	

# M12 Specialty Cordsets

## Coiled Cordsets

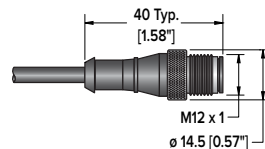
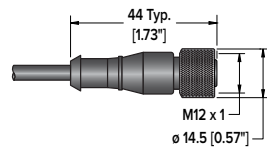
**Cable:** PUR jacket, black PUR connector body, nickel-plated brass coupling nut

**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		
	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 Cordsets		
	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

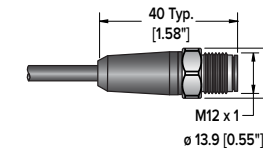
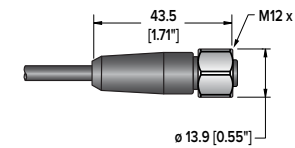
**Vibration Shock:** Meets IEC 60068-2-6 requirements

**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		
	5 m	MQDC-WDSS-0415	
	9 m	MQDC-WDSS-0430	

	Length	Straight/Straight	Pinout
	4-Pin Double-Ended		
	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		
	5 m	MQDC-WDSS-0515	
	9 m	MQDC-WDSS-0530	

	Length	Straight/Straight	Pinout
	5-Pin Double-Ended		
	3 m	MQDEC-WDSS-510SS	
	4.57 m	MQDEC-WDSS-515SS	

# M12 Specialty Cordsets

## Chemical Washdown Cordsets

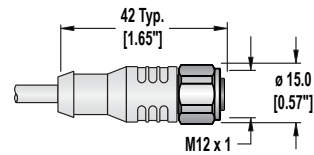
**Cable:** White polypropylene jacket, polypropylene connector body, polypropylene contact carriers, 316 stainless steel nut

**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

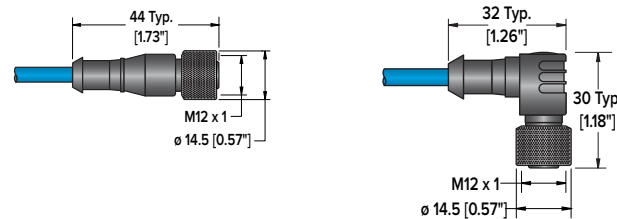
**Cable:** Blue PVC jacket, PUR connector body, nickel-plated brass coupling nut

**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	



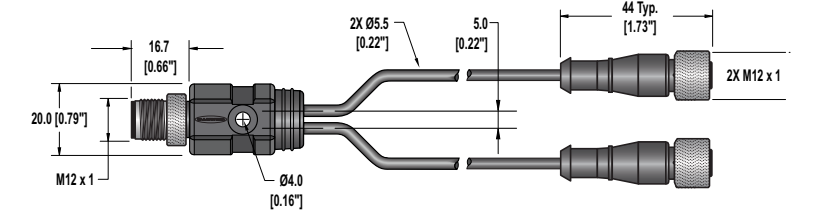
# M12 Splitters, Combiners, and Tees

## Round QD Splitters

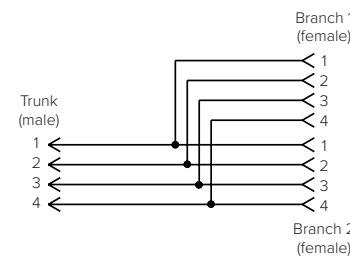
**Cable:** PVC jacket, PUR (polyurethane) connector body, nickel-plated brass coupling nut

**Temperature:** -40 to +90 °C

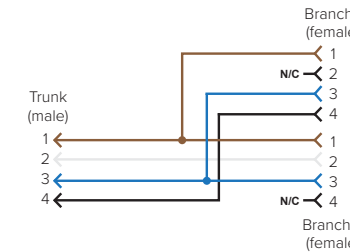
**Environmental Rating:** IP68



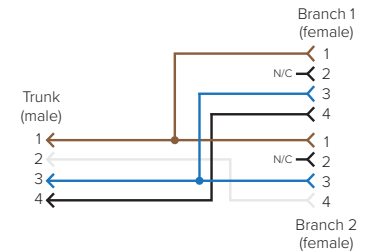
### Example of Parallel 4-Pin Wiring



### 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>Female</p> <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>Male</p> <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>Female</p> <p>1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gn/Ye</p> <p>Male</p> <p>5 x 22 AWG Cable ø – 5.5 mm</p>



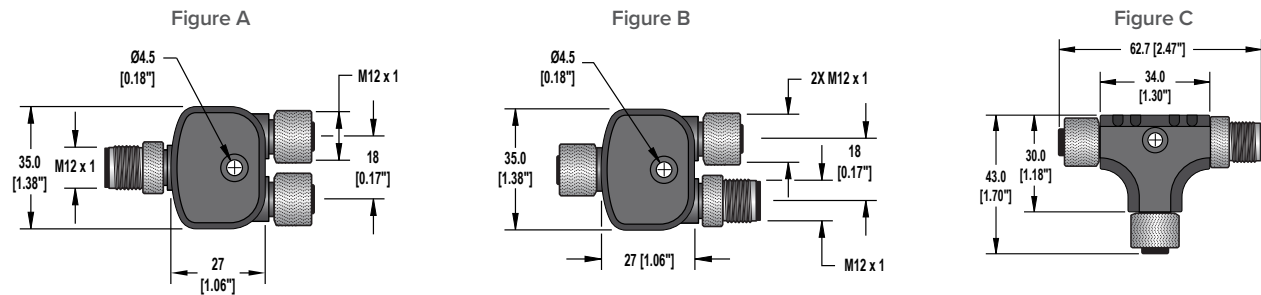
# M12 Splitters, Combiners, and Tees

## Compact Flat QD Splitters and Tees

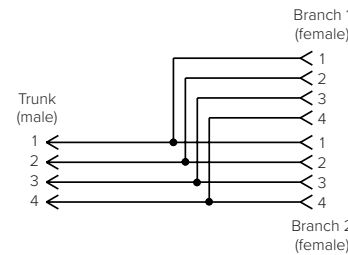
**Cable:** PVC jacket, PUR (polyurethane) connector body, nickel-plated brass coupling nut

**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
		<b>Female</b>  1 = Brown 2 = White 3 = Blue 4 = Black 22 AWG Cable ø – 6.0 mm
		<b>Male</b>  1 = Black 2 = Blue 3 = White 4 = Brown 22 AWG Cable ø – 6.0 mm

### 5-Pin (Voltage: 30 V dc/ac, Current: 2 A)

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

### 8-Pin (Voltage: 60 V dc/ac, Current: 2 A)

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

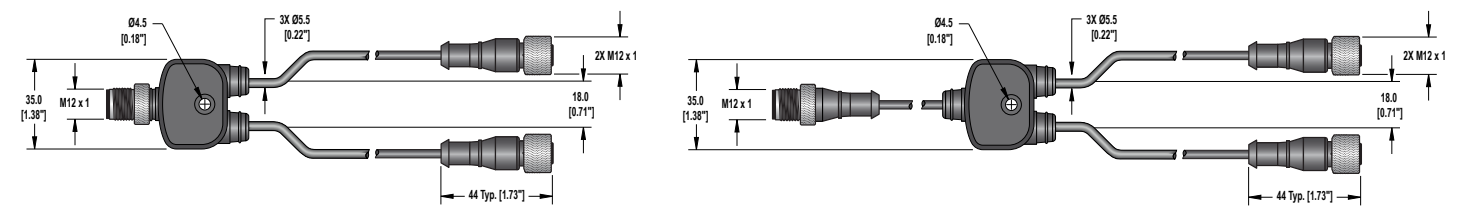
# M12 Splitters, Combiners, and Tees

## Flat QD Splitters

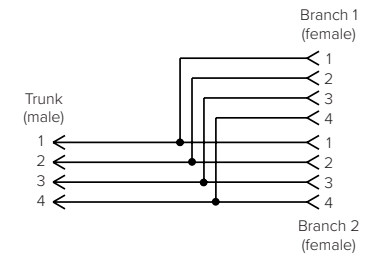
**Cable:** PVC jacket, PUR (polyurethane) connector body, nickel-plated brass coupling nut

**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	<b>Female</b>  1 = Brown 2 = White 3 = Blue 4 = Black <b>Male</b>  1 = Black 2 = Blue 3 = White 4 = Brown 22 AWG Cable ø – 6.0 mm
	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)	<b>Female</b>  1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray <b>Male</b>  1 = Gray 2 = Black 3 = Blue 4 = White 5 = Orange 22 AWG Cable ø – 5.9 mm
	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	<b>Female</b>  1 = Brown 2 = Or/Bk 3 = Orange 4 = White 5 = Black 6 = Blue 7 = Gr/Ye 8 = Violet <b>Male</b>  1 = Violet 2 = Black 3 = Blue 4 = White 5 = Orange 6 = Brown 7 = Gr/Ye 8 = Or/Bk 22 AWG Cable ø – 6.0 mm



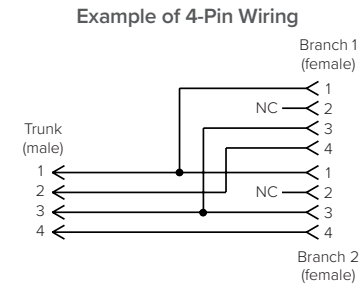
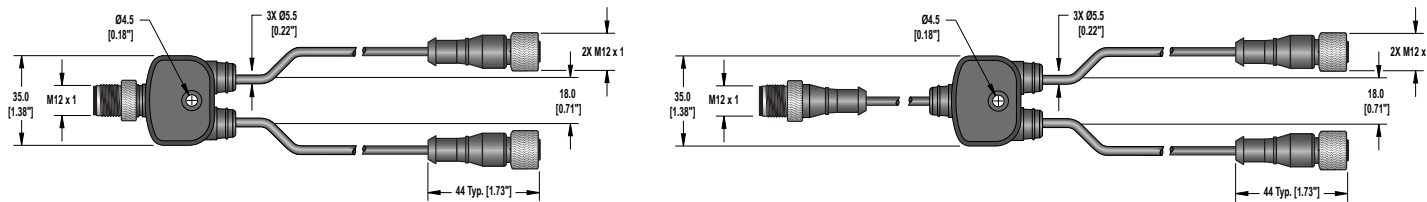
# M12 Splitters, Combiners, and Tees

## Wiring Combiners

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

**Temperature:** -40 to +105 °C

**Environmental Rating:** IP68



## 4-Pin (Voltage: 250 V dc/ac, Current: 4 A)

Models	Cable Lengths		Pinout
	Trunk (Male)	Branches (Female)	
CSA-M1240M1241	No Trunk/ Integral QD	2 x 0.3 m	 1 = Brown 2 = White 3 = Blue 4 = Black   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

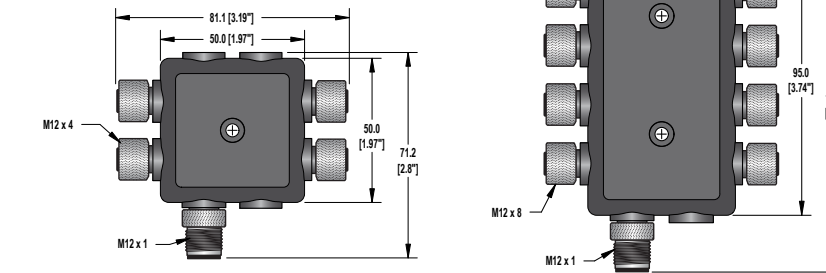


# M12 Molded Junction Blocks and Multi-port Splitters

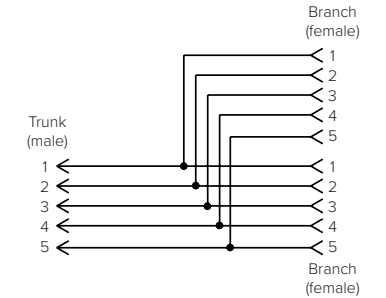
## Molded Junction Blocks

**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)



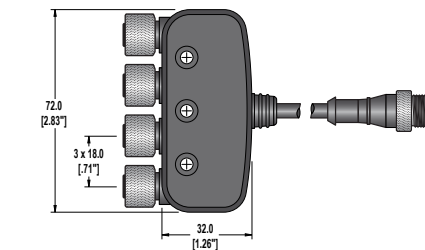
Models	Cable Lengths		Pinout
	Branches (Female)	Trunk (Male)	
R50-4M125-M125Q-P	4 x No Branch/ Integral QD	No Trunk/Integral QD	 1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray  
R95-8M125-M125Q-P	8 x No Branch/ Integral QD	No Trunk/Integral QD	

## Multi-port Splitters

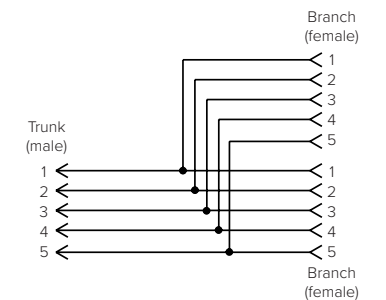
**Cable:** PVC jacket, PUR (polyurethane) connector body, nickel-plated brass coupling nut

**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)	
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

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