

Connectivity Quick Ship



Banner Engineering's growing list of connectivity products are priced right and available for immediate delivery. This guide is designed to easily select the product for your application with stock readily available for immediate shipment. Banner Engineering's offering of M8 and M12 cordsets, splitters, field wireables, junction boxes, and IO-Link hubs continues to expand to meet your automation needs.

For the entire Banner connectivity offering,
go to www.bannerengineering.com



M12 4-Pin Cordsets

M12 4-Pin Black PVC/PUR Cable, 4 x 22 Awg

	Length	Straight	Right-Angle
Female Single Ended	1 m (3.2 ft)	MQDC-403	—
	2 m (6.5 ft)	MQDC-406	MQDC-406RA
	2 m (6.5 ft)	MQDC-406-PUR	MQDC-406RA-PUR
	3 m (9.8 ft)	MQDC-410	—
	5 m (16.4 ft)	MQDC-415	MQDC-415RA
	5 m (16.4 ft)	MQDC-415-PUR	—
	9 m (29.5 ft)	MQDC-430	MQDC-430RA
	9 m (29.5 ft)	MQDC-430-PUR	—
	15 m (49.2 ft)	MQDC-450	MQDC-450RA
Male Single Ended	2 m (6.5 ft)	MQDMC-406	MQDMC-406RA
	5 m (16.4 ft)	MQDMC-415	MQDMC-415RA
	9 m (29.5 ft)	MQDMC-430	MQDMC-430RA
	15 m (49.8 ft)	—	MQDMC-450RA
Female Single Ended Shielded	2 m (6.5 ft)	MQDEC2-406	MQDEC2-406RA
	5 m (16.4 ft)	MQDEC2-415	MQDEC2-415RA
	9 m (29.5 ft)	MQDEC2-430	MQDEC2-430RA
Double-Ended	Length	Straight/Straight (female/male)	PUR Straight/Straight (female/male)
	0.3 m (1 ft)	MQDEC-401SS	—
	0.9 m (3 ft)	MQDEC-403SS	MQDEC-403SS-PUR
	1.8 m (6 ft)	MQDEC-406SS	MQDEC-406SS-PUR
	3 m (9.8 ft)	MQDEC-410SS	—
	3.6 m (12 ft)	MQDEC-412SS	—
	4.5 m (15 ft)	MQDEC-415SS	MQDEC-415SS-PUR
	6.1 m (20 ft)	MQDEC-420SS	—
	9.2 m (30 ft)	MQDEC-430SS	MQDEC-430SS-PUR

M12 4-Pin Washdown Black PVC Cable, 4 x 22 Awg

	Length	Straight
Single Ended	2 m (6.5 ft)	MQDC-WDSS-0406
	5 m (16.4 ft)	MQDC-WDSS-0415
	9 m (29.5 ft)	MQDC-WDSS-0430
Double-Ended	Length	Straight/Straight
	0.9 m (3 ft)	MQDEC-WDSS-403SS
	1.8 m (6 ft)	MQDEC-WDSS-406SS
	9.2 m (30 ft)	MQDEC-WDSS-430SS

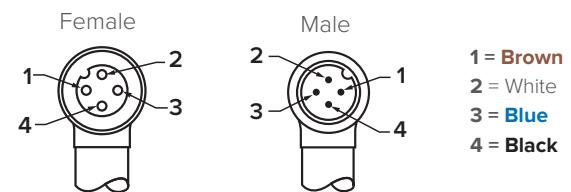
M12 4-Pin Namur Blue PVC Cable, 4 x 20 Awg

	Length	Straight	Right-Angle
Female Single Ended Namur	2 m (6.5 ft)	MQD9-406	MQD9-406RA
	5 m (16.4 ft)	MQD9-415	MQD9-415RA
	9 m (29.5 ft)	MQD9-430	MQD9-430RA

PVC and Washdown Cordsets



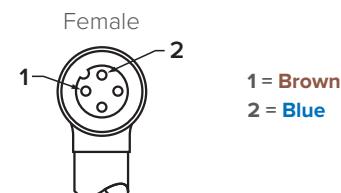
PVC and Washdown Pinout



Namur Cordsets



Namur Pinout



M12 5-Pin Cordsets

M12 5-Pin Black PVC/PUR Cable, 5 x 22 Awg

	Length	Straight	Right-Angle
Female Single Ended	2 m (6.5 ft)	MQDC1-506	MQDC1-506RA
	5 m (16.4 ft)	MQDC1-515	MQDC1-515RA
	9 m (29.5 ft)	MQDC1-530	MQDC1-530RA
	10 m (32.8 ft)	—	MQDC-530RA

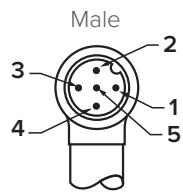
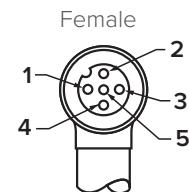
Female Single Ended Shielded	1.6 m (6 ft)	MQDC-STP-506	—
	2 m (6.5 ft)	MQDEC2-506	MQDEC2-506RA
	4.5 m (15 ft)	MQDC-STP-515	—
	5 m (16.4 ft)	MQDEC2-515	MQDEC2-515RA
	9 m (29.5 ft)	MQDEC2-530	MQDEC2-530RA
	9.2 m (30 ft)	MQDC-STP-530	—

	Length	Straight/Straight (female/male)	Straight/Right-Angle (female/male)
Double-Ended	0.3 m (1 ft)	MQDEC-501SS	MQDEC-501RS
	0.9 m (3 ft)	MQDEC-503SS	MQDEC-503RS
	1.8 m (6 ft)	MQDEC-506SS	MQDEC-506RS
	3.6 m (12 ft)	MQDEC-512SS	MQDEC-512RS
	4.5 m (15 ft)	MQDEC-515SS	—
	9.2 m (30 ft)	MQDEC-530SS	MQDEC-530RS

Cordsets



Pinout



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

5-Pin Washdown Black PVC Cable, 5 x 22 Awg

	Length	Straight
Single Ended	2 m (6.5 ft)	MQDC-WDSS-0506
	5 m (16.4 ft)	MQDC-WDSS-0515
Single Ended Shielded	9 m (29.5 ft)	MQDCWD-530

M12 8-Pin Cordsets

M12 8-Pin Black PVC/PUR Cable, 8 x 24 Awg

	Length	Straight	Right-Angle
Female Single Ended Shielded	2 m (6.5 ft)	MQDC2S-806	MQDC2S-806RA
	5 m (16.4 ft)	MQDC2S-815	MQDC2S-815RA
	5 m (16.4 ft)	MQDC-815	—
	9 m (29.5 ft)	MQDC2S-830	MQDC2S-830RA
	10 m (32.8 ft)	MAQDC-830	—
	15 m (49.2 ft)	MAQDC-850	—
	16 m (52.8 ft)	MQDC2S-850	MQDC2S-850RA

8-Pin Washdown Black PVC Cable, 8 x 24 Awg

	Length	Straight
Single Ended	9 m (29.5 ft)	MQDC-WDSS-0830

M8 Cordsets

M8 3-Pin Black PVC Cable, 3 x 24 Awg

	Length	Straight
Threaded Female Single Ended	2 m (6.5 ft)	PKG3M-2
	5 m (16.4 ft)	PKG3M-5
Threaded Double-Ended	4 m (13.1 ft)	PKG3M-4-PSG3M

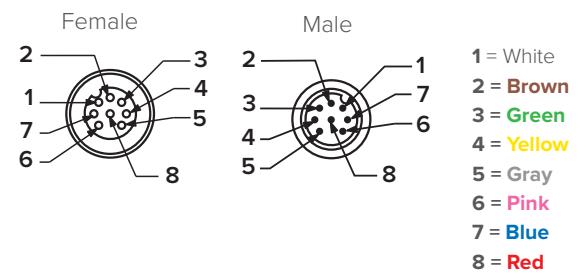
M8 4-Pin Black PVC Cable, 4 x 26 Awg

	Length	Straight
Female Single Ended - Snap	2 m (6.5 ft)	PKG4-2
	6 m (19.7 ft)	PKG4-6

PVC and Washdown Cordsets



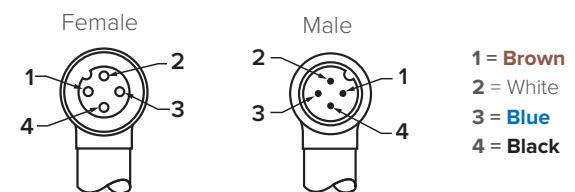
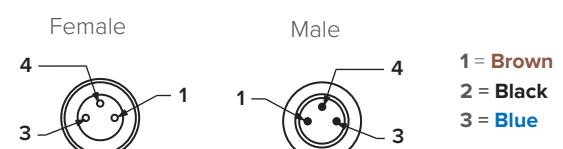
Pinout



Cordsets



Pinouts



M12 Splitters

M12 4-Pin Black PVC Cable, 4 x 22 Awg

Cable Lengths		Wiring Diagram	Models
Trunk	Branches		
No Trunk/ Integral QD (Male)	No Branch/ Integral QD (Female)	A	CSB-M1240M1240
	0.3 m (Female)	A	CSRB-M1240M1241
	0.9 m (Female)	A	CSRB-M1240M1243
		B	S15YA24-M124-M124-0.2M
	2 x 0.3 m (Female)	C	S15YA4-M124-M124-0.2M
0.3 m (Male)		A	S15YB-M124-M124-0.2M
	2 x 0.3 m (Female)	A	CSB-M1241M1241
		D	CSA-M1241M1241
0.3 m (Female)	2 x 0.3 m (Male)	D	CSA-M12F41M12M41

Splitters



Wiring Diagrams

Diagram A:
Parallel 4-Pin Wiring

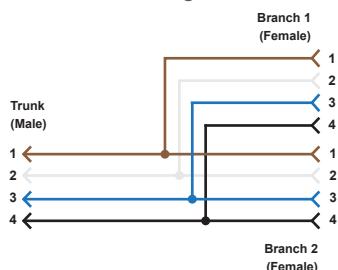


Diagram B:
Non-parallel 4-Pin Wiring

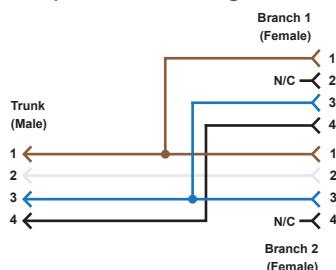


Diagram C:
Non-parallel 4-Pin Wiring

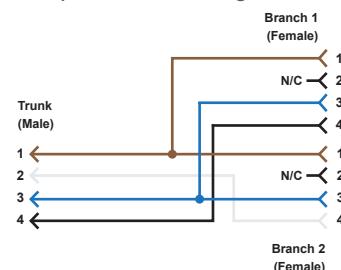
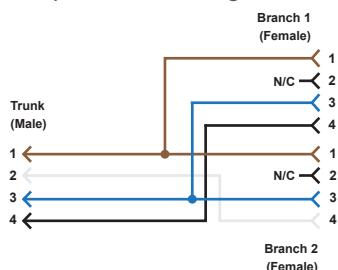


Diagram D:
Non-parallel 4-Pin Wiring



M12 Splitters

M12 5-Pin Black PVC Cable, 5 x 22 Awg

Trunk	Branches	Wiring Diagram	Models
No Trunk/ Integral QD (Female)	2 x No Branch/ Integral QD (Female and Male)	E	CSB-M1250M1250-T
No Trunk/ Integral QD (Male)	Branch 1 0.14 m Branch 2 0.22 m (Female)	F	CSRB-M1250M125. 47M125.73
0.3 m (Female)	2 x 0.3 m (Male)	F	CSB-M1251FM1251M
0.3 m (Male)	4 x No Branch/ Integral QD (Female)	F	CSB4-M1251M1250

Splitters



M12 8-Pin

Trunk	Branches	Wiring Diagram	Model
No Trunk/ Integral QD (Male)	2 x No Branch/ Integral QD (Female)	G	CSB-M1280M1280



Special Wiring

Trunk	Branches	Wiring Diagram	Models
0.3 m (5-Pin Female)	2 x 0.3 m (4-Pin Male)	H	CSF-M12F51M12M41
0.3 m (8-Pin Female)	3 x 0.3 m (4-Pin Male)	I	CSF3A-M12F81M12M41
No Trunk/ Integral QD (8-Pin Female)	2 x No Branch/ Integral QD (8-Pin Female and 4-Pin Male)	J	CSB-M1240M1280

Wiring Diagrams

Diagram E:
Parallel 5-Pin Wiring

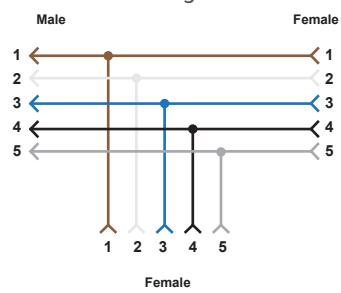


Diagram F:
Parallel 5-Pin Wiring

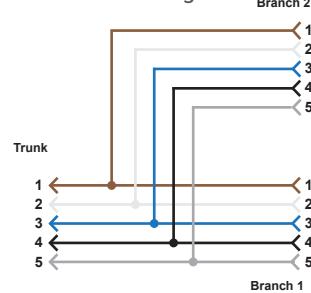


Diagram G:
Parallel 8-Pin Wiring

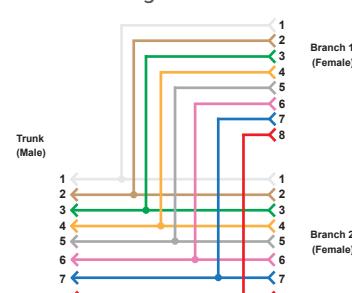


Diagram H:
Parallel 5-Pin Wiring

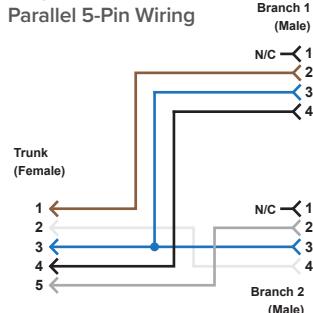


Diagram I:
Parallel 5-Pin Wiring

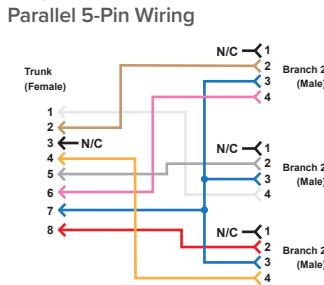
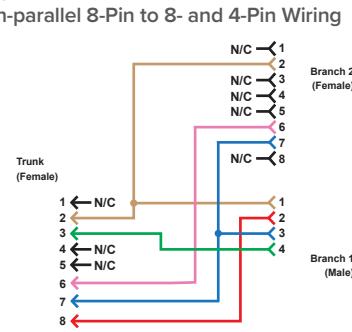


Diagram J:
Non-parallel 8-Pin to 8- and 4-Pin Wiring



Miscellaneous

M12 4-Pin 4 x 22 Awg

	Straight	Right-Angle
Male Field Wireable	FIC-M12M4	FIC-M12M4A

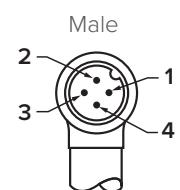
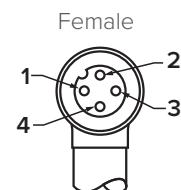
M12 4- to 5-Pin Black PVC Cable, 4 x 22 Awg

	Length	Straight/Straight (female/male)
Double-Ended	0.3 m (1 ft)	MQDC-5401SS

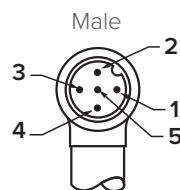
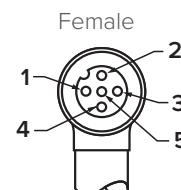
Field Wireable and Cordset



Pinouts



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



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

Converters and Hubs

4-Pin S15C

Converter	Models
4–20 mA input to IO-Link	S15C-I-KQ
0–10 V DC input to IO-Link	S15C-U-KQ
Discrete input/output to IO-Link	S15C-B21-KQ
4–20 mA input to Modbus	S15C-I-MQ
0–10 V DC input to Modbus	S15C-I-MQ
Discrete input/output to Modbus	S15C-B22-MQ

4-Pin R45C

Converter/hub	Models
Dual analog current in and out	R45C-KII-IIQ
Dual analog voltage in and out	R45C-KUU-UUQ
RTU hub, 2 inputs (4–20 mA), 2 outputs (4–20 mA)	R45C-MII-IIQ
RTU hub, 2 inputs (0–10 V DC), 2 outputs (0–10 V DC)	R45C-MUU-UUQ

4-Pin R90C

Hub	Models
4-port, bimodal	R90C-4B21-KQ

4-Pin R95C

Hub	Models
8-port, bimodal, 2 inputs, 2 outputs	R95C-8B22-KQ
8-port, bimodal, 2 inputs, 1 output	R95C-8B21-KQ
RTU hub, 8 port, 16 in or 8 in 8 out	R95C-8B21-MQ

Hubs



R95C and S15Y Compatibility



More Sensors, More 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.

