

M12 B-Coded Male to Female Straight Extension Cable

M12 × 1.0 B-coded 5-pin, male straight to female straight, overmolded both ends, for fieldbus networks. 1, 2, 5 or 10 m.



ORDERING CODE

M12B-5P-MF-ST-[jacket]-[U/S]-[length]M

CONNECTOR

M12 × 1.0, B-coded, male, straight to female straight

PINS AND CODING

5-pin B-coded · fieldbus networks

CABLE

PUR or PVC jacket · unshielded or shielded

LENGTHS

1 m, 2 m, 5 m, 10 m

CABLE TEMPERATURE

−40 to +105 °C

CONSTRUCTION

Standard	IEC 61076-2-101
Connector	M12 × 1.0, B-coded, male, straight to female straight
Termination	Soldered and overmolded
Contacts	Brass, gold plated
Coupling	Screw lock, brass, nickel plated
Overmold	TPU body and overmold
Shield (S)	Brass shell, nickel plated
Jacket	PUR or PVC, black, −40 to +105 °C
Wire gauge	0.14 to 0.75 mm ² range (26 to 18 AWG)
Wiring	Straight through, pin to pin

RATINGS

5-pin B-coded	60 V · 4 A
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GENERAL

Current rating at	40 °C
Cable temp.	−40 to +105 °C
Insulation resist.	≥ 100 MΩ
Contact resist.	≤ 5 mΩ
Mating cycles	> 100
Compliance	RoHS / REACH

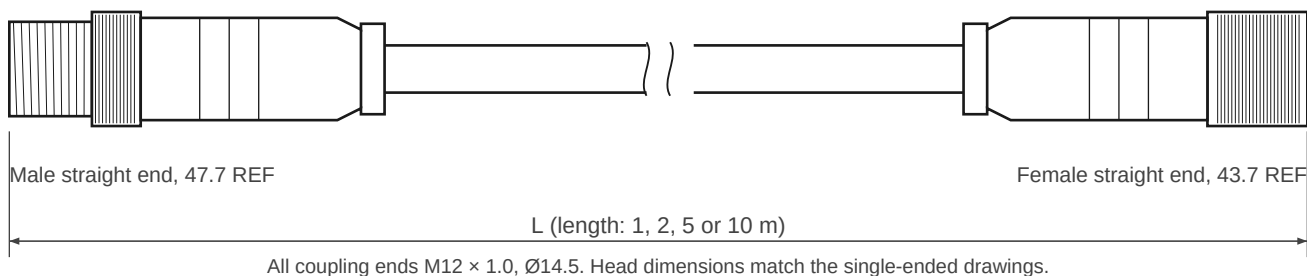
BUILT TO ORDER

Standard configurations ship in about 5 to 6 weeks. Request a quote on formrep.com or call 816-782-7800.

NEED SOMETHING DIFFERENT?

Other lengths, cable types and mixed-connector versions are available. Ask for a made-to-fit quote.

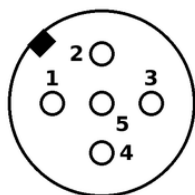
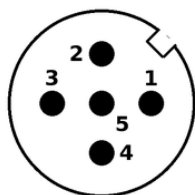
Dimensions, pin layouts and ordering



PIN LAYOUTS, MALE END (LEFT) AND FEMALE END (RIGHT), FACE VIEWS

5-pin B-coded

5-pin B-coded



Male face view (mating side)

Female face view (mating side)

ORDERING CODE

M12B

M12 B-coded

5P

5 pins

MF-ST

this cable family

PUR

jacket: PUR or PVC

U

U = unshielded, S = shielded

2M

length: 1M, 2M, 5M, 10M

Example: M12B-5P-MF-ST-PUR-U-2M = 5-pin B-coded M12 male straight to female straight, PUR jacket, unshielded, 2 m.

STANDARD CONFIGURATIONS (16)

M12B-5P-MF-ST-PUR-U-1M	M12B-5P-MF-ST-PUR-U-10M	M12B-5P-MF-ST-PUR-S-5M	M12B-5P-MF-ST-PVC-U-2M	M12B-5P-MF-ST-PVC-S-1M	M12B-5P-MF-ST-PVC-S-10M
M12B-5P-MF-ST-PUR-U-2M	M12B-5P-MF-ST-PUR-S-1M	M12B-5P-MF-ST-PUR-S-10M	M12B-5P-MF-ST-PVC-U-5M	M12B-5P-MF-ST-PVC-S-2M	
M12B-5P-MF-ST-PUR-U-5M	M12B-5P-MF-ST-PUR-S-2M	M12B-5P-MF-ST-PVC-U-1M	M12B-5P-MF-ST-PVC-U-10M	M12B-5P-MF-ST-PVC-S-5M	