

M12 A-Coded Male Right-Angle to Female Right-Angle Cable

M12 × 1.0 A-coded male right-angle to female right-angle, overmolded both ends. 3, 4, 5, 8, 12 or 17 pins; 1, 2, 5 or 10 m.



ORDERING CODE

M12A-[pins]P-MF-RA-[jacket]-[U/S]-[length]M

CONNECTOR

M12 × 1.0, A-coded, male, right-angle to female right-angle

PINS

3, 4, 5, 8, 12 or 17

CABLE

PUR or PVC jacket · unshielded or shielded

LENGTHS

1 m, 2 m, 5 m, 10 m

OPERATING TEMPERATURE

–40 to +105 °C

CONSTRUCTION

Standard	IEC 61076-2-101
Connector	M12 × 1.0, A-coded, male, right-angle to female right-angle
Termination	Soldered and overmolded
Contacts	Phosphor bronze, gold plated
Coupling	Brass, nickel plated
Body / overmold	TPU
Seal	FKM O-ring
Shield (S)	Brass shell, nickel plated
Jacket	PUR or PVC, black
Wiring	Straight through, pin to pin

RATINGS BY PIN COUNT

3-pin	250 V · 4 A
4-pin	250 V · 4 A
5-pin	60 V · 4 A
8-pin	30 V · 2 A
12-pin	30 V · 1.5 A
17-pin	30 V · 1.5 A

GENERAL

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

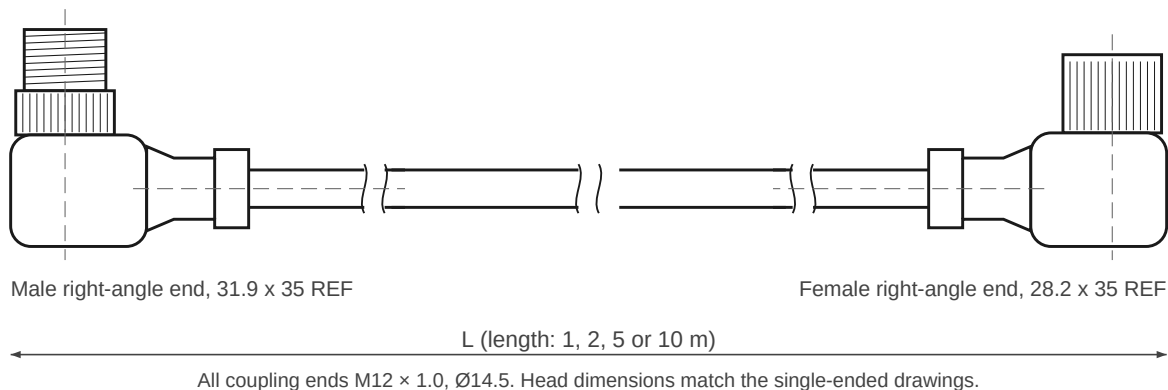
BUILT TO ORDER

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

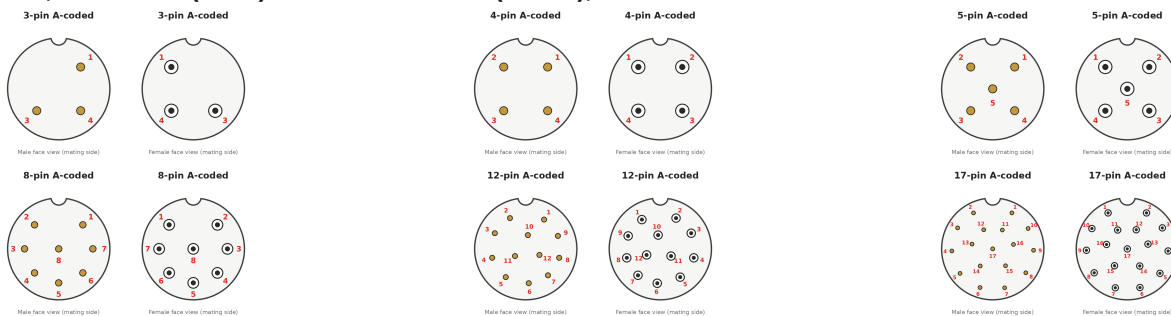
NEED SOMETHING DIFFERENT?

Other pin counts, lengths, angled heads and double-ended 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



ORDERING CODE

M12A

M12 A-coded

4P

pins: 3P, 4P, 5P, 8P,
12P, 17P

MF-RA

male, right-angle to female jacket: PUR or PVC
right-angle

PUR

U

U = unshielded, S =
shielded

2M

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

Example: M12A-4P-MF-RA-PUR-U-2M = 4-pin A-coded male right-angle to female right-angle, PUR jacket, unshielded, 2 m.

STANDARD CONFIGURATIONS (96)

M12A-3P-MF-RA-PUR-U-1M	M12A-4P-MF-RA-PUR-S-1M	M12A-5P-MF-RA-PVC-U-1M	M12A-8P-MF-RA-PVC-S-1M	M12A-17P-MF-RA-PUR-U-1M
M12A-3P-MF-RA-PUR-U-2M	M12A-4P-MF-RA-PUR-S-2M	M12A-5P-MF-RA-PVC-U-2M	M12A-8P-MF-RA-PVC-S-2M	M12A-17P-MF-RA-PUR-U-2M
M12A-3P-MF-RA-PUR-U-5M	M12A-4P-MF-RA-PUR-S-5M	M12A-5P-MF-RA-PVC-U-5M	M12A-8P-MF-RA-PVC-S-5M	M12A-17P-MF-RA-PUR-U-5M
M12A-3P-MF-RA-PUR-U-10M	M12A-4P-MF-RA-PUR-S-10M	M12A-5P-MF-RA-PVC-U-10M	M12A-8P-MF-RA-PVC-S-10M	M12A-17P-MF-RA-PUR-U-10M
M12A-3P-MF-RA-PUR-S-1M	M12A-4P-MF-RA-PVC-U-1M	M12A-5P-MF-RA-PVC-S-1M	M12A-12P-MF-RA-PUR-U-1M	M12A-17P-MF-RA-PUR-S-1M
M12A-3P-MF-RA-PUR-S-2M	M12A-4P-MF-RA-PVC-U-2M	M12A-5P-MF-RA-PVC-S-2M	M12A-12P-MF-RA-PUR-U-2M	M12A-17P-MF-RA-PUR-S-2M
M12A-3P-MF-RA-PUR-S-5M	M12A-4P-MF-RA-PVC-U-5M	M12A-5P-MF-RA-PVC-S-5M	M12A-12P-MF-RA-PUR-U-5M	M12A-17P-MF-RA-PUR-S-5M
M12A-3P-MF-RA-PUR-S-10M	M12A-4P-MF-RA-PVC-U-10M	M12A-5P-MF-RA-PVC-S-10M	M12A-12P-MF-RA-PUR-U-10M	M12A-17P-MF-RA-PUR-S-10M
M12A-3P-MF-RA-PVC-U-1M	M12A-4P-MF-RA-PVC-S-1M	M12A-8P-MF-RA-PUR-U-1M	M12A-12P-MF-RA-PUR-S-1M	M12A-17P-MF-RA-PVC-U-1M
M12A-3P-MF-RA-PVC-U-2M	M12A-4P-MF-RA-PVC-S-2M	M12A-8P-MF-RA-PUR-U-2M	M12A-12P-MF-RA-PUR-S-2M	M12A-17P-MF-RA-PVC-U-2M
M12A-3P-MF-RA-PVC-U-5M	M12A-4P-MF-RA-PVC-S-5M	M12A-8P-MF-RA-PUR-U-5M	M12A-12P-MF-RA-PUR-S-5M	M12A-17P-MF-RA-PVC-U-5M
M12A-3P-MF-RA-PVC-U-10M	M12A-4P-MF-RA-PVC-S-10M	M12A-8P-MF-RA-PUR-U-10M	M12A-12P-MF-RA-PUR-S-10M	M12A-17P-MF-RA-PVC-U-10M
M12A-3P-MF-RA-PVC-S-1M	M12A-5P-MF-RA-PUR-U-1M	M12A-8P-MF-RA-PUR-S-1M	M12A-12P-MF-RA-PVC-U-1M	M12A-17P-MF-RA-PVC-S-1M
M12A-3P-MF-RA-PVC-S-2M	M12A-5P-MF-RA-PUR-U-2M	M12A-8P-MF-RA-PUR-S-2M	M12A-12P-MF-RA-PVC-U-2M	M12A-17P-MF-RA-PVC-S-2M
M12A-3P-MF-RA-PVC-S-5M	M12A-5P-MF-RA-PUR-U-5M	M12A-8P-MF-RA-PUR-S-5M	M12A-12P-MF-RA-PVC-U-5M	M12A-17P-MF-RA-PVC-S-5M
M12A-3P-MF-RA-PVC-S-10M	M12A-5P-MF-RA-PUR-U-10M	M12A-8P-MF-RA-PUR-S-10M	M12A-12P-MF-RA-PVC-U-10M	M12A-17P-MF-RA-PVC-S-10M
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M12A-4P-MF-RA-PUR-U-2M	M12A-5P-MF-RA-PUR-S-2M	M12A-8P-MF-RA-PVC-U-2M	M12A-12P-MF-RA-PVC-S-2M	
M12A-4P-MF-RA-PUR-U-5M	M12A-5P-MF-RA-PUR-S-5M	M12A-8P-MF-RA-PVC-U-5M	M12A-12P-MF-RA-PVC-S-5M	
M12A-4P-MF-RA-PUR-U-10M	M12A-5P-MF-RA-PUR-S-10M	M12A-8P-MF-RA-PVC-U-10M	M12A-12P-MF-RA-PVC-S-10M	