

M12 A-Coded Field-Attachable Connector, Metal, Shielded

Screw-terminal M12 × 1.0 A-coded connector you wire onto your own cable. Male or female, straight or right-angle, 3, 4, 5, 8, 12 or 17 pins; PG7 or PG9 cable entry. Metal, shielded housing.



ORDERING CODE

M12A-[pins]P-[M/F]-[ST/RA]-FAS-[PG7/PG9]

CONNECTOR

M12 × 1.0, A-coded, male or female

HEAD

Straight or right-angle

PINS

3, 4, 5, 8, 12 or 17 (17-pin: PG9 only)

CABLE ENTRY

PG7: 4 to 6 mm cable · PG9: 6 to 8 mm cable

WIRE RANGE

0.14 to 0.75 mm² (26 to 18 AWG), screw clamp

CONSTRUCTION

Standard	IEC 61076-2-101
Termination	Screw clamp
Wire range	0.14 to 0.75 mm ² · 26 to 18 AWG
Contacts (male)	Brass, gold plated
Contacts (female)	Phosphor bronze, gold plated
Coupling nut	Brass, nickel plated
Housing	Metal, nickel plated, shielded
Insert	TPU
Seal	FKM
Cable entry	PG7: 4–6 mm · PG9: 6–8 mm OD

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

Operating temp.	–25 to +85 °C
Current rating at	40 °C
Insulation resist.	≥ 100 MΩ
Contact resist.	≤ 5 mΩ
Mating cycles	> 100
Compliance	RoHS / REACH

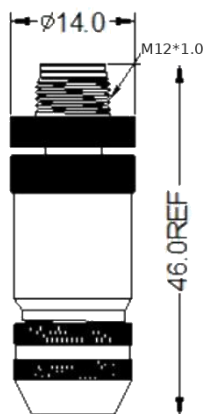
BUILT TO ORDER

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

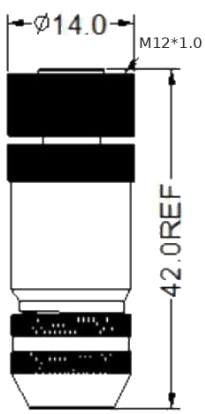
NEED A FINISHED CABLE?

We also offer overmolded M12 cables in 1 to 10 m lengths. Ask for a made-to-fit quote.

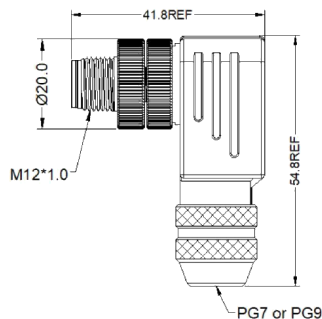
Dimensions, pin layouts and ordering



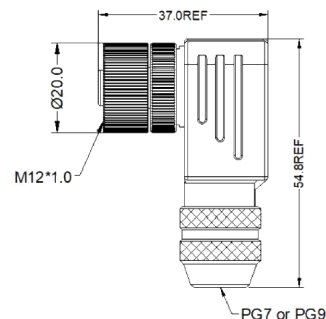
MALE, STRAIGHT



FEMALE, STRAIGHT

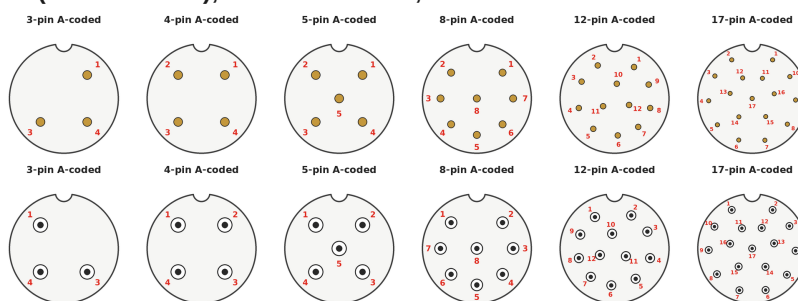


MALE, RIGHT-ANGLE



FEMALE, RIGHT-ANGLE

PIN LAYOUTS, FACE VIEWS (MATING SIDE); MALE TOP ROW, FEMALE BOTTOM ROW



ORDERING CODE

M12A

- **4P**

- **F**

- **ST**

- **FAS**

- **PG7**

M12 A-coded

pins

M = male, F = female

ST = straight, RA = right-angle

field-attachable, metal

PG7 or PG9 entry

Example: M12A-4P-F-RA-FAS-PG7 = 4-pin A-coded female right-angle field-attachable connector, metal shielded, for 4 to 6 mm cable.

STANDARD CONFIGURATIONS (44)

M12A-3P-M-ST-FAS-PG7	M12A-12P-M-ST-FAS-PG9	M12A-8P-F-ST-FAS-PG9	M12A-5P-M-RA-FAS-PG9	M12A-4P-F-RA-FAS-PG9
M12A-3P-M-ST-FAS-PG9	M12A-17P-M-ST-FAS-PG9	M12A-12P-F-ST-FAS-PG7	M12A-8P-M-RA-FAS-PG7	M12A-5P-F-RA-FAS-PG7
M12A-4P-M-ST-FAS-PG7	M12A-3P-F-ST-FAS-PG7	M12A-12P-F-ST-FAS-PG9	M12A-8P-M-RA-FAS-PG9	M12A-5P-F-RA-FAS-PG9
M12A-4P-M-ST-FAS-PG9	M12A-3P-F-ST-FAS-PG9	M12A-17P-F-ST-FAS-PG9	M12A-12P-M-RA-FAS-PG7	M12A-8P-F-RA-FAS-PG7
M12A-5P-M-ST-FAS-PG7	M12A-4P-F-ST-FAS-PG7	M12A-3P-M-RA-FAS-PG7	M12A-12P-M-RA-FAS-PG9	M12A-8P-F-RA-FAS-PG9
M12A-5P-M-ST-FAS-PG9	M12A-4P-F-ST-FAS-PG9	M12A-3P-M-RA-FAS-PG9	M12A-17P-M-RA-FAS-PG9	M12A-12P-F-RA-FAS-PG7
M12A-8P-M-ST-FAS-PG7	M12A-5P-F-ST-FAS-PG7	M12A-4P-M-RA-FAS-PG7	M12A-3P-F-RA-FAS-PG7	M12A-12P-F-RA-FAS-PG9
M12A-8P-M-ST-FAS-PG9	M12A-5P-F-ST-FAS-PG9	M12A-4P-M-RA-FAS-PG9	M12A-3P-F-RA-FAS-PG9	M12A-17P-F-RA-FAS-PG9
M12A-12P-M-ST-FAS-PG7	M12A-8P-F-ST-FAS-PG7	M12A-5P-M-RA-FAS-PG7	M12A-4P-F-RA-FAS-PG7	