

M8 Male Straight Molded Cable, Single-Ended

M8 × 1.0 male straight connector, overmolded onto PUR or PVC cable. A, B, D or P coding; 1, 2, 5 or 10 m.



ORDERING CODE

M8[coding]-[pins]P-M-ST-[jacket]-[U/S]-[length]M

CONNECTOR

M8 × 1.0, male, straight

PINS AND CODING

A-coded 3, 4, 6, 8 · B-coded 5 · D-coded 4 · P-coded 4

CABLE

PUR or PVC jacket · unshielded or shielded

LENGTHS

1 m, 2 m, 5 m, 10 m

OPERATING TEMPERATURE

–25 to +85 °C

CONSTRUCTION

Standard	IEC 61076-2-104
Connector	M8 × 1.0, male, straight
Termination	Soldered and overmolded
Contacts	Gold plated (male brass, female phosphor bronze)
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	26 to 22 AWG (3 to 5 pin), 26 AWG (6 and 8 pin)
Free end	Open conductors

RATINGS BY PIN COUNT AND CODING

3-pin A-coded	60 V · 3 A
4-pin A-coded	30 V · 3 A
6-pin A-coded	30 V · 1 A
8-pin A-coded	30 V · 1 A
5-pin B-coded	30 V · 3 A
4-pin D-coded	30 V · 3 A
4-pin P-coded	30 V · 3 A

GENERAL

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

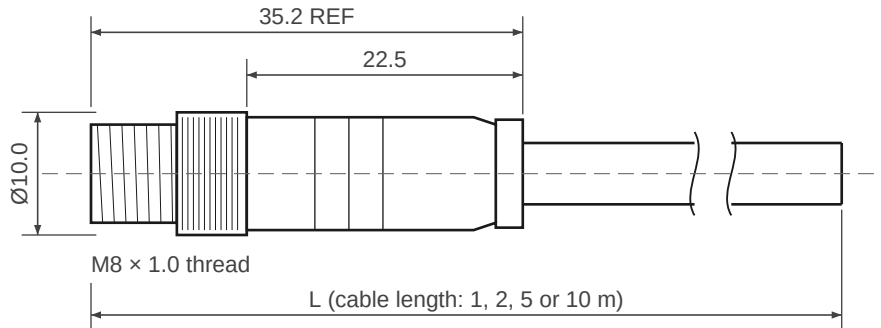
BUILT TO ORDER

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

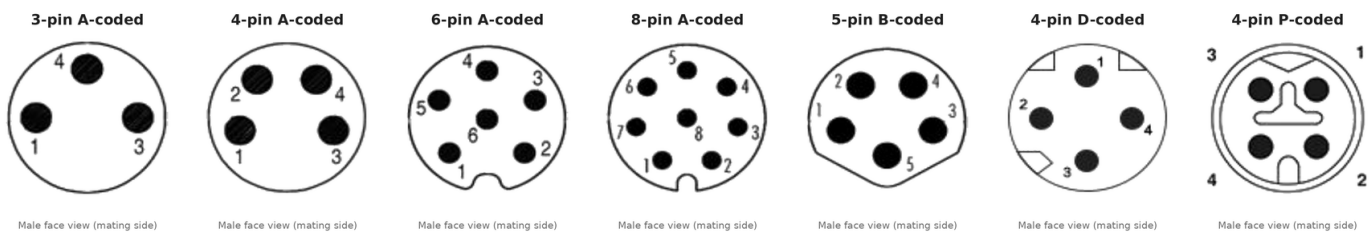
NEED SOMETHING DIFFERENT?

Other lengths, cable types, pinouts and mixed M8/M12 versions are available. Ask for a made-to-fit quote.

Dimensions, pin layouts and ordering



PIN LAYOUTS, MALE FACE VIEW (MATING SIDE)



ORDERING CODE

M8A	-	4P	-	M-ST	-	PUR	-	U	-	2M
M8 + coding: A, B, D, P		pins: A 3P/4P/6P/8P, B 5P, D 4P, P 4P		this cable family		jacket: PUR or PVC		U = unshielded, S = shielded		length: 1M, 2M, 5M, 10M

Example: M8A-4P-M-ST-PUR-U-2M = 4-pin A-coded M8 male straight, PUR jacket, unshielded, 2 m.

STANDARD CONFIGURATIONS (112)

M8A-3P-M-ST-PUR-U-1M	M8A-4P-M-ST-PUR-U-10M	M8A-6P-M-ST-PUR-S-5M	M8A-8P-M-ST-PVC-U-2M	M8B-5P-M-ST-PVC-S-1M	M8D-4P-M-ST-PVC-S-10M
M8A-3P-M-ST-PUR-U-2M	M8A-4P-M-ST-PUR-S-1M	M8A-6P-M-ST-PUR-S-10M	M8A-8P-M-ST-PVC-U-5M	M8B-5P-M-ST-PVC-S-2M	M8P-4P-M-ST-PUR-U-1M
M8A-3P-M-ST-PUR-U-5M	M8A-4P-M-ST-PUR-S-2M	M8A-6P-M-ST-PVC-U-1M	M8A-8P-M-ST-PVC-U-10M	M8B-5P-M-ST-PVC-S-5M	M8P-4P-M-ST-PUR-U-2M
M8A-3P-M-ST-PUR-U-10M	M8A-4P-M-ST-PUR-S-5M	M8A-6P-M-ST-PVC-U-2M	M8A-8P-M-ST-PVC-S-1M	M8B-5P-M-ST-PVC-S-10M	M8P-4P-M-ST-PUR-U-5M
M8A-3P-M-ST-PUR-S-1M	M8A-4P-M-ST-PUR-S-10M	M8A-6P-M-ST-PVC-U-5M	M8A-8P-M-ST-PVC-S-2M	M8D-4P-M-ST-PUR-U-1M	M8P-4P-M-ST-PUR-U-10M
M8A-3P-M-ST-PUR-S-2M	M8A-4P-M-ST-PVC-U-1M	M8A-6P-M-ST-PVC-U-10M	M8A-8P-M-ST-PVC-S-5M	M8D-4P-M-ST-PUR-U-2M	M8P-4P-M-ST-PUR-S-1M
M8A-3P-M-ST-PUR-S-5M	M8A-4P-M-ST-PVC-U-2M	M8A-6P-M-ST-PVC-S-1M	M8A-8P-M-ST-PVC-S-10M	M8D-4P-M-ST-PUR-U-5M	M8P-4P-M-ST-PUR-S-2M
M8A-3P-M-ST-PUR-S-10M	M8A-4P-M-ST-PVC-U-5M	M8A-6P-M-ST-PVC-S-2M	M8B-5P-M-ST-PUR-U-1M	M8D-4P-M-ST-PUR-U-10M	M8P-4P-M-ST-PUR-S-5M
M8A-3P-M-ST-PVC-U-1M	M8A-4P-M-ST-PVC-U-10M	M8A-6P-M-ST-PVC-S-5M	M8B-5P-M-ST-PUR-U-2M	M8D-4P-M-ST-PUR-S-1M	M8P-4P-M-ST-PUR-S-10M
M8A-3P-M-ST-PVC-U-2M	M8A-4P-M-ST-PVC-S-1M	M8A-6P-M-ST-PVC-S-10M	M8B-5P-M-ST-PUR-U-5M	M8D-4P-M-ST-PUR-S-2M	M8P-4P-M-ST-PVC-U-1M
M8A-3P-M-ST-PVC-U-5M	M8A-4P-M-ST-PVC-S-2M	M8A-6P-M-ST-PUR-U-1M	M8B-5P-M-ST-PUR-U-10M	M8D-4P-M-ST-PUR-S-5M	M8P-4P-M-ST-PVC-U-2M
M8A-3P-M-ST-PVC-U-10M	M8A-4P-M-ST-PVC-S-5M	M8A-8P-M-ST-PUR-U-2M	M8B-5P-M-ST-PUR-S-1M	M8D-4P-M-ST-PUR-S-10M	M8P-4P-M-ST-PVC-U-5M
M8A-3P-M-ST-PVC-S-1M	M8A-4P-M-ST-PVC-S-10M	M8A-8P-M-ST-PUR-U-5M	M8B-5P-M-ST-PUR-S-2M	M8D-4P-M-ST-PVC-U-1M	M8P-4P-M-ST-PVC-U-10M
M8A-3P-M-ST-PVC-S-2M	M8A-6P-M-ST-PUR-U-1M	M8A-8P-M-ST-PUR-U-10M	M8B-5P-M-ST-PUR-S-5M	M8D-4P-M-ST-PVC-U-2M	M8P-4P-M-ST-PVC-S-1M
M8A-3P-M-ST-PVC-S-5M	M8A-6P-M-ST-PUR-U-2M	M8A-8P-M-ST-PUR-S-1M	M8B-5P-M-ST-PUR-S-10M	M8D-4P-M-ST-PVC-U-5M	M8P-4P-M-ST-PVC-S-2M
M8A-3P-M-ST-PVC-S-10M	M8A-6P-M-ST-PUR-U-5M	M8A-8P-M-ST-PUR-S-2M	M8B-5P-M-ST-PVC-U-1M	M8D-4P-M-ST-PVC-U-10M	M8P-4P-M-ST-PVC-S-5M
M8A-4P-M-ST-PUR-U-1M	M8A-6P-M-ST-PUR-U-10M	M8A-8P-M-ST-PUR-S-5M	M8B-5P-M-ST-PVC-U-2M	M8D-4P-M-ST-PVC-S-1M	M8P-4P-M-ST-PVC-S-10M
M8A-4P-M-ST-PUR-U-2M	M8A-6P-M-ST-PUR-S-1M	M8A-8P-M-ST-PUR-S-10M	M8B-5P-M-ST-PVC-U-5M	M8D-4P-M-ST-PVC-S-2M	
M8A-4P-M-ST-PUR-U-5M	M8A-6P-M-ST-PUR-S-2M	M8A-8P-M-ST-PVC-U-1M	M8B-5P-M-ST-PVC-U-10M	M8D-4P-M-ST-PVC-S-5M	