M12 S-Coded Female Right-Angle Molded Cable, Single-Ended

M12 × 1.0 S-coded 4-pin female right-angle connector, overmolded onto PUR or PVC cable for AC power. 1, 2, 5 or 10 m.

ORDERING CODE
M12S-4P-F-RA-[jacket]-[U/S]-[length]M

CONNECTOR
M12 × 1.0, S-coded, female, right-angle

PINS AND CODING
4-pin S-coded · AC power

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, S-coded, female, right-angle
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	Conductor size set by current; confirm at quote
Free end	Open conductors

RATINGS

4-pin S-coded	630 V · 12 A

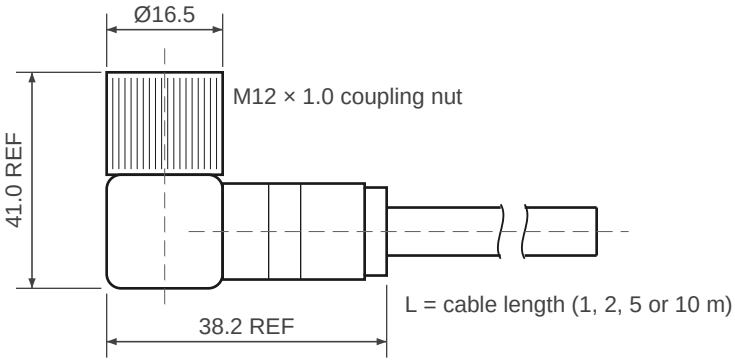
GENERAL

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, FEMALE FACE VIEW (MATING SIDE)

4-pin S-coded

Female face view (mating side)

ORDERING CODE

M12S	-	4P	-	F-RA	-	PUR	-	U	-	2M
M12 S-coded		4 pins		this cable family		jacket: PUR or PVC		U = unshielded, S = shielded		length: 1M, 2M, 5M, 10M

Example: M12S-4P-F-RA-PUR-U-2M = 4-pin S-coded M12 female right-angle, PUR jacket, unshielded, 2 m.

STANDARD CONFIGURATIONS (16)

M12S-4P-F-RA-PUR-U-1M	M12S-4P-F-RA-PUR-U-10M	M12S-4P-F-RA-PUR-S-5M	M12S-4P-F-RA-PVC-U-2M	M12S-4P-F-RA-PVC-S-1M	M12S-4P-F-RA-PVC-S-10M
M12S-4P-F-RA-PUR-U-2M	M12S-4P-F-RA-PUR-S-1M	M12S-4P-F-RA-PUR-S-10M	M12S-4P-F-RA-PVC-U-5M	M12S-4P-F-RA-PVC-S-2M	
M12S-4P-F-RA-PUR-U-5M	M12S-4P-F-RA-PUR-S-2M	M12S-4P-F-RA-PVC-U-1M	M12S-4P-F-RA-PVC-U-10M	M12S-4P-F-RA-PVC-S-5M	