

M9 SERIES

M9 male straight overmolded cable assembly shielded / unshielded customizable cable length L

CIRCULAR CONNECTOR / PRODUCT FAMILY GUIDE



PRODUCT FAMILY CODE

M09A0X-07-010-X-L

28 ORDERABLE PART NUMBERS / 2 / 3 / 4 / 5 / 6 / 7 / 8 CONTACTS / A-CODE / IP67

Product Overview



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M9 male straight overmolded cable assembly shielded / unshielded customizable cable length L

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WLconnectivity's m9 male straight overmolded cable assembly shielded / unshielded customizable cable length l family consolidates 28 exact orderable configurations covering 2, 3, 4, 5, 6, 7, 8-contact options. The configurations share the product platform and engineering references shown in this manual; exact selection details are listed in the ordering table.

Technical Specifications

Rated voltage	125 V AC / 125 V DC
Outer shell material	copper alloy
Housing material	PA66 nylon
Overmold material	PVC / TPU
Contact material	gold-plated brass / gold-plated phosphor bronze
Applicable temperature	-40 °C to +85 °C
Insulation resistance	≥ 100 MΩ
Contact resistance	≤ 3 mΩ
Degree of protection	IP67
Mechanical durability	≥ 500 cycles

Configuration-specific Ratings

Electrical values that vary by contact count and coding

CONTACTS	CODING	RATED CURRENT	WIRE SIZE	WIRE GAUGE
2 / 3	A-code	4 A	0.25 mm ²	24 AWG
4 / 5	A-code	3 A	0.25 mm ²	24 AWG
6 / 7 / 8	A-code	1 A	0.14 mm ²	26 AWG

Cable length: L denotes the custom length in millimetres.

Ordering Information

All exact orderable part numbers for this product family

FAMILY CODE M09A0X-07-010-X-L

28 orderable part numbers

NO.	CONTACTS	CODING	CABLE OPTION	PART NUMBER
1	2	A-code	PVC, unshielded	M09A02-07-010-1-L
2	2	A-code	PUR, unshielded	M09A02-07-010-2-L
3	2	A-code	PVC, shielded	M09A02-07-010-3-L
4	2	A-code	PUR, shielded	M09A02-07-010-4-L
5	3	A-code	PVC, unshielded	M09A03-07-010-1-L
6	3	A-code	PUR, unshielded	M09A03-07-010-2-L
7	3	A-code	PVC, shielded	M09A03-07-010-3-L
8	3	A-code	PUR, shielded	M09A03-07-010-4-L
9	4	A-code	PVC, unshielded	M09A04-07-010-1-L
10	4	A-code	PUR, unshielded	M09A04-07-010-2-L
11	4	A-code	PVC, shielded	M09A04-07-010-3-L
12	4	A-code	PUR, shielded	M09A04-07-010-4-L
13	5	A-code	PVC, unshielded	M09A05-07-010-1-L
14	5	A-code	PUR, unshielded	M09A05-07-010-2-L
15	5	A-code	PVC, shielded	M09A05-07-010-3-L
16	5	A-code	PUR, shielded	M09A05-07-010-4-L
17	6	A-code	PVC, unshielded	M09A06-07-010-1-L
18	6	A-code	PUR, unshielded	M09A06-07-010-2-L
19	6	A-code	PVC, shielded	M09A06-07-010-3-L

Cable length: L denotes the custom length in millimetres.

Ordering Information

CONTINUED

NO.	CONTACTS	CODING	CABLE OPTION	PART NUMBER
20	6	A-code	PUR, shielded	M09A06-07-010-4-L
21	7	A-code	PVC, unshielded	M09A07-07-010-1-L
22	7	A-code	PUR, unshielded	M09A07-07-010-2-L
23	7	A-code	PVC, shielded	M09A07-07-010-3-L
24	7	A-code	PUR, shielded	M09A07-07-010-4-L
25	8	A-code	PVC, unshielded	M09A08-07-010-1-L
26	8	A-code	PUR, unshielded	M09A08-07-010-2-L
27	8	A-code	PVC, shielded	M09A08-07-010-3-L
28	8	A-code	PUR, shielded	M09A08-07-010-4-L

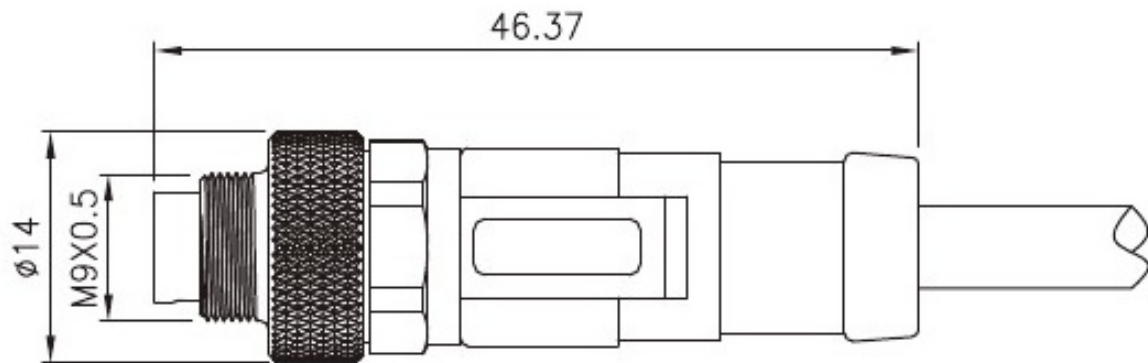
Cable length: L denotes the custom length in millimetres.

Engineering Reference

Shared dimensional and pin-assignment reference for this product family

DIMENSIONAL REFERENCE

DIMENSIONS IN MILLIMETRES



PIN ASSIGNMENT / FRONT VIEW

Contacts: 2 / 3 / 4 / 5 / 6 / 7 / 8 / Coding: A-code

