

M8 SERIES

M8 male straight overmolded cable assembly shielded / unshielded customizable cable length L

CIRCULAR CONNECTOR / PRODUCT FAMILY GUIDE



PRODUCT FAMILY CODE

M08X0X-09-010-X-L

24 ORDERABLE PART NUMBERS / 3 / 4 / 5 / 6 / 8 CONTACTS / A-CODE / D-CODE / B-CODE / IP67 / IP68

Product Overview



M8 SERIES / PRODUCT FAMILY

M8 male straight overmolded cable assembly shielded / unshielded customizable cable length L

M08X0X-09-010-X-L

WLconnectivity's m8 male straight overmolded cable assembly shielded / unshielded customizable cable length l family consolidates 24 exact orderable configurations covering 3, 4, 5, 6, 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

Standard	IEC 61076-2-104
Termination	solder termination and overmolding
Locking system	threaded locking
Degree of protection	IP67 / IP68
Mechanical durability	500 cycles
Operating temperature	-25 °C to +85 °C
Contact resistance	≤ 10 mΩ
Insulation resistance	≥ 1000 MΩ
Housing material	PA66 nylon
Contact material	gold-plated brass / gold-plated phosphor bronze
Outer shell material	copper alloy
Overmold material	PVC / PUR

Configuration-specific Ratings

Electrical values that vary by contact count and coding

CONTACTS	CODING	RATED CURRENT	RATED VOLTAGE	WIRE SIZE	WIRE GAUGE
3	A-code	3 A	60 V	0.25 mm ²	24 AWG
4	A-code	3 A	30 V	0.25 mm ²	24 AWG
4	D-code	4 A	30 V	0.25 mm ²	24 AWG
5	B-code	3 A	30 V	0.25 mm ²	24 AWG
6 / 8	A-code	1 A	30 V	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 M08X0X-09-010-X-L

24 orderable part numbers

NO.	CONTACTS	CODING	CABLE OPTION	PART NUMBER
1	3	A-code	PVC, unshielded	M08A03-09-010-1-L
2	3	A-code	PUR, unshielded	M08A03-09-010-2-L
3	3	A-code	PVC, shielded	M08A03-09-010-3-L
4	3	A-code	PUR, shielded	M08A03-09-010-4-L
5	4	A-code	PVC, unshielded	M08A04-09-010-1-L
6	4	A-code	PUR, unshielded	M08A04-09-010-2-L
7	4	A-code	PVC, shielded	M08A04-09-010-3-L
8	4	A-code	PUR, shielded	M08A04-09-010-4-L
9	4	D-code	PVC, unshielded	M08D04-09-010-1-L
10	4	D-code	PUR, unshielded	M08D04-09-010-2-L
11	4	D-code	PVC, shielded	M08D04-09-010-3-L
12	4	D-code	PUR, shielded	M08D04-09-010-4-L
13	5	B-code	PVC, unshielded	M08B05-09-010-1-L
14	5	B-code	PUR, unshielded	M08B05-09-010-2-L
15	5	B-code	PVC, shielded	M08B05-09-010-3-L
16	5	B-code	PUR, shielded	M08B05-09-010-4-L
17	6	A-code	PVC, unshielded	M08A06-09-010-1-L
18	6	A-code	PUR, unshielded	M08A06-09-010-2-L
19	6	A-code	PVC, shielded	M08A06-09-010-3-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	M08A06-09-010-4-L
21	8	A-code	PVC, unshielded	M08A08-09-010-1-L
22	8	A-code	PUR, unshielded	M08A08-09-010-2-L
23	8	A-code	PVC, shielded	M08A08-09-010-3-L
24	8	A-code	PUR, shielded	M08A08-09-010-4-L

CONFIGURATION RANGE

CONTACTS	3 / 4 / 5 / 6 / 8
CODING	A-code / D-code / B-code
CABLE OPTIONS	PVC / PUR; unshielded / shielded
PROTECTION	IP67 / IP68



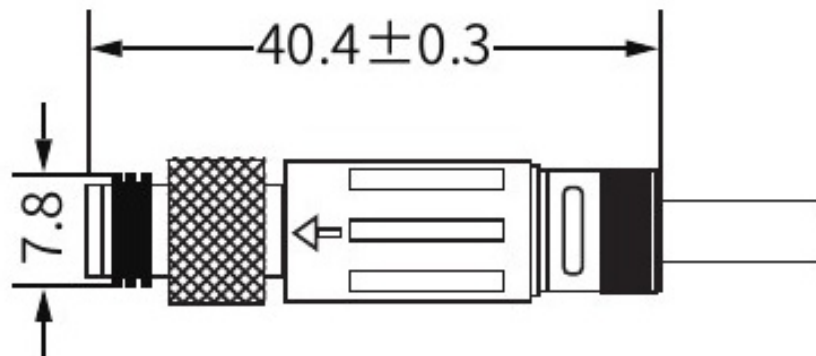
Cable length: L denotes the custom length in millimetres.

Engineering Reference

Shared dimensional and pin-assignment reference for this product family

DIMENSIONAL REFERENCE

DIMENSIONS IN MILLIMETRES



PIN ASSIGNMENT / FRONT VIEW

Contacts: 3 / 4 / 5 / 6 / 8 / Coding: A-code / D-code / B-code

