



### Mechanical Performance

<b>Coupling method:</b>	Threaded Coupling
<b>Threaded Size:</b>	M12x1
<b>Mount Method</b>	Cable Type
<b>Mount Feature</b>	Not Applicable
<b>Contact Termination</b>	Screw Joint
<b>Cable Od</b>	Not Applicable
<b>Thread Aperture</b>	Not Applicable
<b>Durability</b>	≥500 cycles
<b>Wire Gauge</b>	0.14/0.25/0.34/0.5mm <sup>2</sup> /(26/24/22/20AWG)

### Environmental Performance

<b>Temperature Range:</b>	-25°C to 85°C
<b>Ip Rating:</b>	IP67

### M12 Connector Part Number Breakout

	<b>M</b>	<b>12</b>	<b>03</b>	<b>A</b>	<b>P</b>	<b>1</b>	<b>S</b>	<b>F</b>	<b>W</b>
Series									
Thread Diameter									
Number of Contacts: <b>03/04/05/08/12</b>									
<b>A:</b> A-coded <b>B:</b> B-coded <b>D:</b> D-coded									
<b>P:</b> Pin <b>S:</b> Socket									
<b>1:</b> PCB <b>2:</b> Soldering <b>3:</b> Plastic screw-joint <b>4:</b> Metal screw-joint									
<b>S:</b> Straight <b>R:</b> Right angle <b>H:</b> Flange									
<b>F:</b> Front Mount <b>B:</b> Backend Mount									
Wire									

Learn more about this connector on [Metabee's M series connector catalog](#).

## M12 Connector Pinout and Wiring Diagram

Pins	A	B	C	D	X	Y	S	T	K	L	M
2											
3											
4											
5											
6											
8											
12											
17											

芯位 Pins	线芯颜色 Wire core color
2芯(Pins)	
1	BN
2	-
3	BU

芯位 Pins	线芯颜色 Wire core color
3芯(Pins)	
1	BN
2	-
3	BU
4	BK

芯位 Pins	线芯颜色 Wire core color							
4芯A编码(4 Pins A-Code)			4芯B编码(4 Pins B-Code)			4芯D编码(4 Pins D-Code)		
1	BN		BN		YE			
2	WH		WH		WH			
3	BU		BU		OG			
4	BK		BK		BU			

芯位 Pins	线芯颜色 Wire core color		
5芯A编码(5 Pins A-Code)		5芯B编码(5 Pins B-Code)	
1	BN	BN	
2	WH	WH	
3	BU	BU	
4	BK	BK	
5	GY	GY	

芯位 Pins	线芯颜色 Wire core color
12芯(Pins)	
1	BN
2	BU
3	WH
4	GN
5	PK
6	YE
7	BK
8	GY
9	RD
10	VT
11	OG
12	LTGN

芯位 Pins	线芯颜色 Wire core color
17芯(Pins)	
1	BN
2	BU
3	WH
4	GN
5	PK
6	YE
7	BK
8	GY
9	RD
10	VT
11	OG
12	LTGN
13	LTBU
14	BKWH
15	BNWH
16	RDWH
17	BUWH

芯位 Pins	线芯颜色 Wire core color
6芯(Pins)	
1	BN
2	WH
3	BU
4	BK
5	-
6	GY
7	RD

芯位 Pins	线芯颜色 Wire core color
8芯(Pins)	
1	WH
2	BN
3	GN
4	YE
5	GY
6	PK
7	BU
8	RD

The Ultimate Guide to M12 Connector Pinout, Color Code, and Wiring Diagram – MetabeeAI (PDF Format, 33 pages, 4.5MB)

# Thanks!

Our team of passionate experts brings a wealth of experience to the table, ready to collaborate with you and unlock your full potential. By joining forces, we can create innovative solutions and achieve remarkable things.



## CONTACT US

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