

Connecting cables for controllers

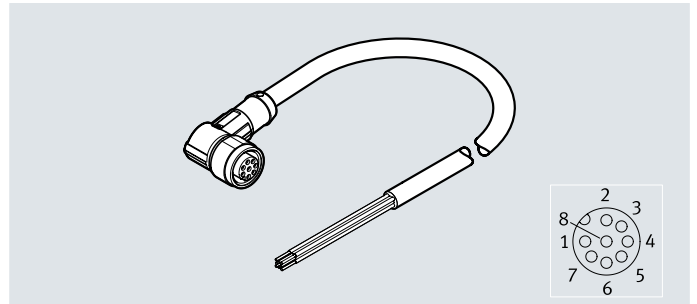
FESTO



Datasheet

Connecting cable NEBC-M12G8 NEBC-M12W8

- Connecting cable M12, 8-pin
- A-coded
- Cable length 2 m, 5 m, 10 m and 15 m
- Suitable for controllers with degree of protection IP65/67.



General technical data

Based on standard	EN 61076-2-101
Cable identification	Without inscription label holder

Technical data – Electrical connection 1

Type	NEBC-M12G8	NEBC-M12W8
Function	Field device side	Field device side
Connection type	Socket	Socket
Cable outlet	Straight	Angled
Design	Round	Round
Connection technology	M12x1, A-coded to EN 61076-2-101	M12x1, A-coded to EN 61076-2-101
Number of pins/cores	8	8
Assigned pins/cores	8	8
Type of mounting	Screw-type lock	Screw-type lock

Technical data – Electrical connection 2

Type	NEBC-...-M12G8	NEBC-...-LE8
Function	Control side	Control side
Connection type	Plug	Cable
Cable outlet	Straight	–
Design	Round	–
Connection technology	M12x1, A-coded to EN 61076-2-101	Open end
Wire ends	–	Stripped
Number of pins/cores	8	8
Assigned pins/cores	8	8

Technical data – Electrical components

Operating voltage range	[V DC]	0 ... 30
Operating voltage range	[V AC]	0 ... 30
Surge resistance	[kV]	0.8
Current rating at 40 °C	[A]	2
Pollution degree		3
Shielding		No

Technical data – Cable

Cable diameter	[mm]	6
Cable diameter tolerance	[mm]	±0.2
Cable characteristic		Suitable for energy chains
Bending radius, fixed cable installation	[mm]	≥30
Bending radius, flexible cable installation	[mm]	≥30
Test conditions, cable		Test conditions on request
Cable structure	[mm²]	8x0.25
Nominal conductor cross-section	[mm²]	0.25

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Materials	
Housing	TPE-U(PUR)
Housing colour	Black
Screw-type lock	Nickel-plated die-cast zinc
Seals	NBR
Pin contacts	Brass
Cable sheath	TPE-U(PUR)
Cable sheath colour	Silver-grey
Insulating sheath	PP
Note on materials	RoHS-compliant
LABS (PWIS) conformity	VDMA24364-B2-L

Operating and environmental conditions		
Ambient temperature	[°C]	−25 ... +90
Ambient temperature with flexible cable installation	[°C]	−25 ... +90
Corrosion resistance class CRC ¹⁾		2
CE marking (see declaration of conformity) ²⁾		To EU RoHS Directive
UKCA marking (see declaration of conformity) ²⁾		To UK RoHS regulations
Degree of protection		IP65
		IP67
Note on degree of protection		In mounted state
Certification		c UL us - Listed (OL)
Certificate-issuing authority		UL E474609

1) More information www.festo.com/x/topic/crc
2) More information www.festo.com/catalogue/... → Support/Downloads.

Wiring (plug view)	
Pin	Wire colour ¹⁾
Pin	
Electrical connection, socket, M12x1, 8-pin – plug, M12x1, 8-pin	
	1
	2
	3
	4
	5
	6
	7
	8
Electrical connection, socket, M12x1, 8-pin – open cable end	
	1
	2
	3
	4
	5
	6
	7
	8

1) To IEC 757

Datasheet

Ordering data					
Electrical connection 1	Electrical connection 2	Cable length [m]	Weight [g]	Part no.	Type
Straight socket, M12x1, 8-pin, A-coded to EN 61076-2-101	Open end	2	105	8094480	NEBC-M12G8-E-2-N-B-LE8
		5	249	8094477	NEBC-M12G8-E-5-N-B-LE8
		10	489	8094482	NEBC-M12G8-E-10-N-B-LE8
		15	729	8094475	NEBC-M12G8-E-15-N-B-LE8
	Straight plug, M12x1, 8-pin, A-coded to EN 61076-2-101	2	112	8080782	NEBC-M12G8-E-2-N-M12G8
		5	256	8080783	NEBC-M12G8-E-5-N-M12G8
		10	496	8080784	NEBC-M12G8-E-10-N-M12G8
		15	736	8080785	NEBC-M12G8-E-15-N-M12G8
Angled socket, M12x1, 8-pin, A-coded to EN 61076-2-101	Open end	2	105	8094476	NEBC-M12W8-E-2-N-B-LE8
		5	249	8094478	NEBC-M12W8-E-5-N-B-LE8
		10	489	8094481	NEBC-M12W8-E-10-N-B-LE8
		15	729	8094479	NEBC-M12W8-E-15-N-B-LE8
	Straight plug, M12x1, 8-pin, A-coded to EN 61076-2-101	2	112	8080786	NEBC-M12W8-E-2-N-M12G8
		5	256	8080787	NEBC-M12W8-E-5-N-M12G8
		10	496	8080788	NEBC-M12W8-E-10-N-M12G8
		15	736	8080789	NEBC-M12W8-E-15-N-M12G8