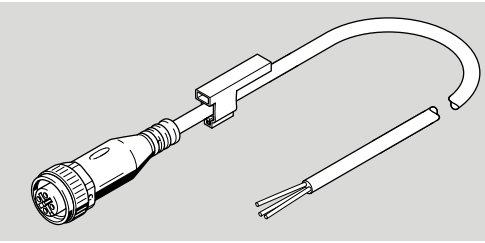
Connecting line
NEBB-M12G5/W5-P-...-LE3



FESTO

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Instructions Mounting - Connecting line

8078183
2017-09
[8078185]

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Original instructions

1 Further applicable documents

All available documents for the product ➔ www.festo.com/pk.

2 Safety

2.1 Safety instructions

– Do not connect or disconnect plug connector when powered.
– Switch off power supply before starting the mounting work.
– Observe tightening torques.

2.2 Use for intended purpose

Connecting cable for connection of field devices (sensors, actuators) to controllers.

3 Configuration

3.1 Product design

NEBB-M12G5-P-...-LE3

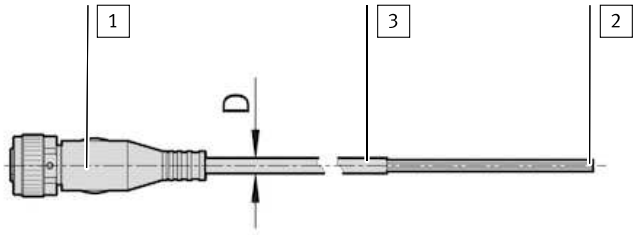
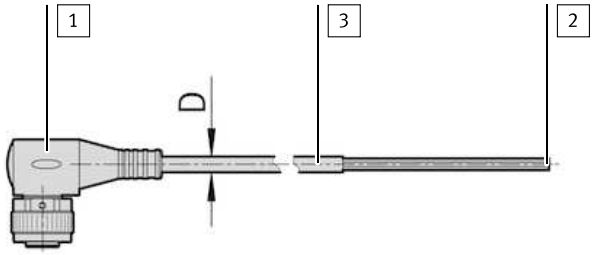


Fig. 1

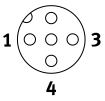
NEBB-M12W5-P-...-LE3



1 Socket (1x)
2 Wire end (3x)
3 Cable (1x)

Fig. 2

3.2 Pin allocation

Connection	Pin	Colour code[1)]
	1	BN
	3	BU
	4	BK

1) Colour code in accordance with IEC 60757:1983-01

Tab. 1

4 Mounting

4.1 Mounting, field device side

• Tighten the screw-type lock of the socket 1.

4.2 Mounting, controller side

1. Shorten and pre-assemble cable sheath and wire ends as needed.
2. Connect the wires in accordance with the pin allocation.

4.3 Installation

• Install connecting cable statically.

5 Technical data

NEBB-M12G5/W5-P-...-LE3			
Cable characteristic			for static applications
Cable composition		[mm²]	3x0.25
Cable diameter	D	[mm]	3.8
Bending radius, fixed cable installation	R	[mm]	≥ 12
DC operating voltage range	U_O	[V]	0 ... 250
Operating voltage range AC	U_O	[V]	0 ... 250
Acceptable current load at 40 °C		[A]	4
Surge resistance		[kV]	2.5
Ambient temperature		[°C]	–25 ... +70
Degree of protection			IP65, IP68, IP69K
Note on degree of protection			in mounted status
CE marking, see declaration of conformity:➔ www.festo.com/sp			in accordance with EU Low Voltage Directive
Material			
Cable sheath			PVC
Insulating sheath			PVC
Electrical connection 1			
Function			Field device side
Connection type			Socket
Connection technology			M12x1 A-coded in accordance with EN 61076-2-101
Type of mounting			Screw-type lock with ⌭ 13
Tightening torque		[Nm]	0.3 ± 65 %
Electrical connection 2			
Function			Controller side
Connection type			Cable
Connection technology			Open end
Wire ends			Cable unsheathed, wire ends cut off bluntly

Tab. 2