

Connecting cables NEBS, for sensors



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Product range overview

Type	Electrical connection		Number of wires	Cable length [m]	→ Page/ Internet
	To the left	To the right			
NEBS	Socket, rectangular design L1	Open end	4	2.5 5	4
	Socket, rectangular design L2		4, 5		

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Type codes

		NEBS	-	L1	G	4	-	K	-	2.5	-	LE	4
<b>Function</b>													
NEBS	Connecting cable												
<b>Connection technology, left-hand end</b>													
L1	Socket, rectangular design L1												
L2	Socket, rectangular design L2												
<b>Socket design</b>													
G	Straight												
<b>Number of pins/wires (left-hand end)</b>													
4	4-pin												
5	5-pin												
<b>Cable characteristics</b>													
K	Standard												
<b>Cable length</b>													
2.5	2.5 m												
5	5 m												
<b>Connection technology, right-hand end</b>													
LE	Open end												
<b>Number of pins/wires (right-hand end)</b>													
4	4-pin												
5	5-pin												

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Technical data

## Connecting cable NEBS



General technical data	
Note on materials	Free of copper and PTFE RoHS-compliant

Electronic components	
Operating voltage range [V DC]	0 ... 30

Electromechanical components			
Type	NEBS-L1G4	NEBS-L2G4	NEBS-L2G5
Electrical connection 1	Socket, rectangular design L1, 4-pin	Socket, rectangular design L2, 4-pin	Socket, rectangular design L2, 5-pin
Electrical connection 2	Open end, 4-wire	Open end, 4-wire	Open end, 5-wire
Cable test conditions	Test conditions on request		
	Resistance to bending: to Festo standard		
Cable characteristics	Standard		
Cable sheath colour	Grey		
Cable composition	4x0.14 mm <sup>3</sup>	4x0.14 mm <sup>3</sup>	5x0.14 mm <sup>3</sup>
Cable sheath materials	PVC		
Insulating sheath materials	PP		
Cable diameter [mm]	4.1		
Nominal conductor cross section [mm <sup>3</sup> ]	0.14		
Acceptable current load at 40 °C [A]	1		

Mechanical components			
Type	NEBS-L1G4	NEBS-L2G4	NEBS-L2G5
Housing materials	PA	PBT	PBT

Immissions/emissions	
Ambient temperature [°C]	-20 ... +60
Ambient temperature with flexible cable installation [°C]	-5 ... +60
Protection class	IP40
Surge capacity [kV]	0.8
Degree of contamination	2

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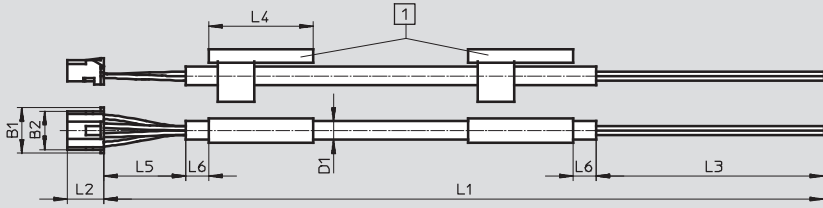
Technical data

**FESTO**

## Dimensions

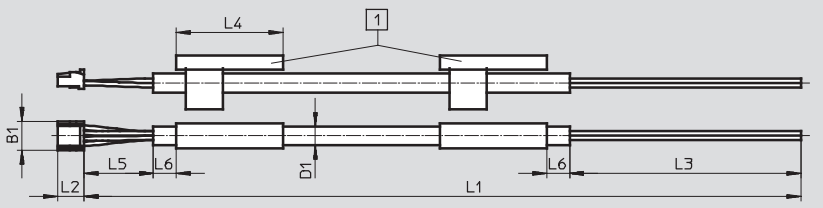
Download CAD data → [www.festo.com](http://www.festo.com)

### NEBS-L1G4



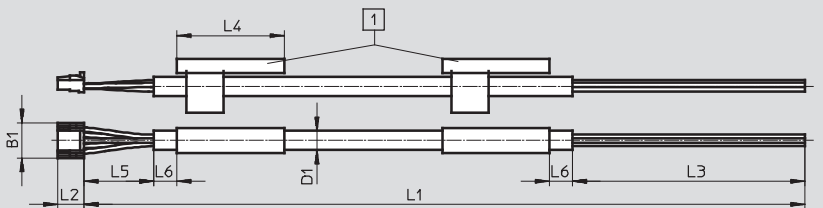
1 Inscription label holder

### NEBS-L2G4



1 Inscription label holder

### NEBS-L2G5



1 Inscription label holder


Type	B1	B2	B3	B4	D1 ∅	H1	L1 [m]	L2	L3	L4	L5	L6
NEBS-L1G4-K-2.5-LE4	10	8.4	6	2	4.1	5.8	2.5	8	50	23	15	≥ 5
NEBS-L1G4-K-5-LE4							5					
NEBS-L2G4-K-2.5-LE4	6.3	-	3.8	1.3		4.2	2.5	5.7				
NEBS-L2G4-K-5-LE4							5					
NEBS-L2G5-K-2.5-LE5	7.5	-	5	-		-	2.5	-				
NEBS-L2G5-K-5-LE5							5					

## Ordering data

Electrical connection				Cable length [m]	Part No.	Type
To the left		To the right				
4-pin	Socket, rectangular design L1	4-wire	Open end	2.5	572576	NEBS-L1G4-K-2.5-LE4
	Socket, rectangular design L2			5	572577	NEBS-L1G4-K-5-LE4
5-pin	Socket, rectangular design L2	5-wire	Open end	2.5	570921	NEBS-L2G4-K-2.5-LE4
				5	570919	NEBS-L2G4-K-5-LE4
5-pin	Socket, rectangular design L2	5-wire	Open end	2.5	570920	NEBS-L2G5-K-2.5-LE5
				5	570918	NEBS-L2G5-K-5-LE5

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Accessories

Ordering data						
	Material	Use	Size	Part No.	Type	PU <sup>1)</sup>
Inscription label						
	Polycarbonate	For insertion in the inscription label holder	23x4 mm	541598	ASLR-L-423	34

1) Packaging unit per frame