

Connecting cables NEBS, for sensors

FESTO



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Product range overview

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

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Technical data

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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 mm³		4x0.14 mm³	5x0.14 mm³
Cable sheath materials	PVC			
Insulating sheath materials	PP			
Cable diameter	[mm]	4.1		
Nominal conductor cross section	[mm³]	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			

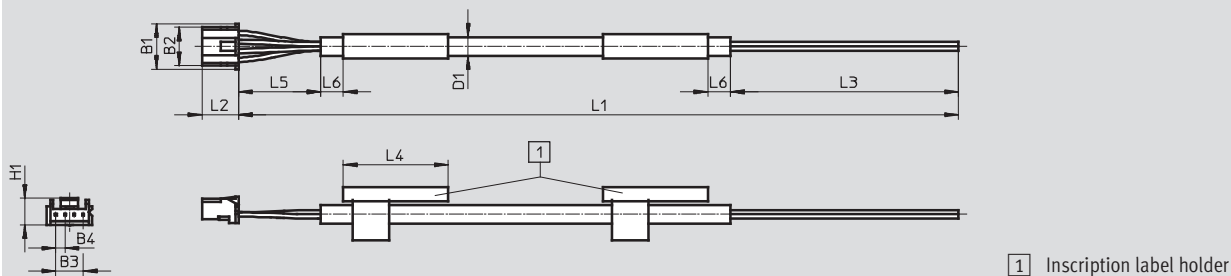
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Technical data

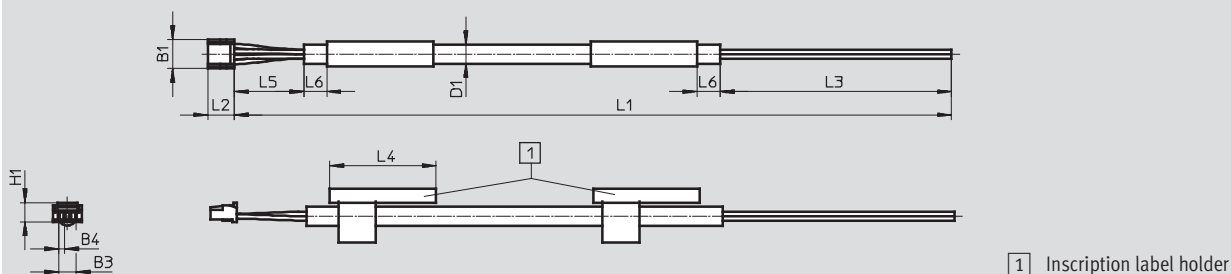
Dimensions

Download CAD Data → www.festo.com/us/cad

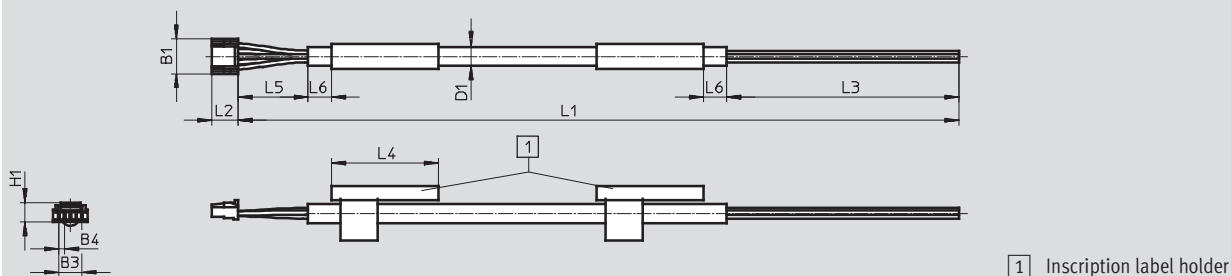
NEBS-L1G4



NEBS-L2G4



NEBS-L2G5



Type	B1	B2	B3	B4	D1 Ø	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
				5	572577	NEBS-L1G4-K-5-LE4
	Socket, rectangular design L2			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

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

1) Packaging unit per frame

Product Range and Company Overview

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