

Electrical connection technology, for multi-pin plug connection

Technical data

Connecting cable

NEBV-S1G25

NEBV-S1G44

- Connecting cable for multi-pin plug connection
- Pre-assembled
- 2.5 m, 5 m or 10 m cable lengths
- 15, 25 or 40 wires
- Sub-D



General technical data			
Type	NEBV-S1G25-...-LE15	NEBV-S1G25-...-LE25	NEBV-S1G44-...-LE39
Type of mounting	4-40UNC		
Nominal operating voltage [V DC]	24		≤30
Acceptable current load at 40°C [A]	-		0.86
Electrical connection	Cable with plug, Sub-D, 15-pin	Cable with plug, Sub-D, 25-pin	Socket, Sub-D, 44-pin
Cable Ø [mm]	9	10.5	9.6±0.5 mm
Min. cable bending radius [mm]	90	105	95
Protection class to EN 60529	-		IP65

Materials			
Type	NEBV-S1G25-...-LE15	NEBV-S1G25-...-LE25	NEBV-S1G44-...-LE39
Housing	Polybutylene terephthalate		
Union nut	Polyamide		
Seals	Thermoplastic polyolefin elastomer		
Cable sheath	Polyvinyl chloride		
Pin contacts	-		Gold-plated bronze

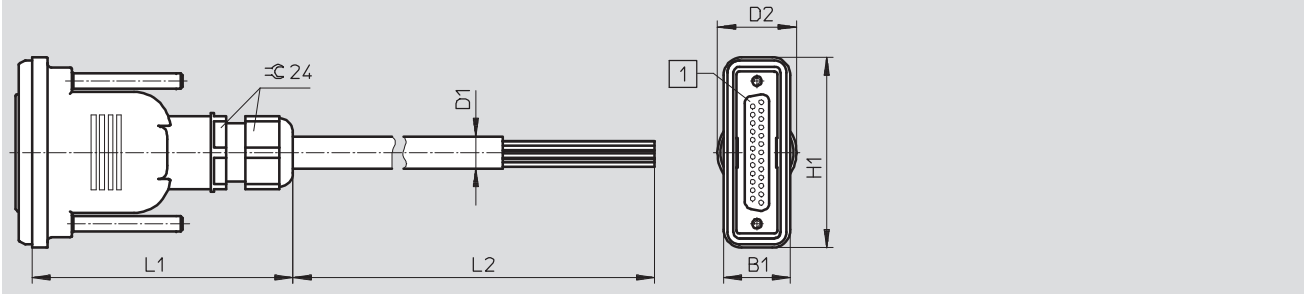
Operating and environmental conditions			
Ambient temperature [°C]	-		-5 ... +60
Ambient temperature with flexible cable installation [°C]	-5 ... +50		-
Note on materials	RoHS-compliant		

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Dimensions

Download CAD data → www.festo.com



Type	[1]	B1	D1 Ø	D2 Ø	H1	L1	L2
NEBV-S1G25-K...-LE25	Sub-D socket, 25-pin	22	10.4	26	62.8	86	Length according to type (2.5 m, 5 m or 10 m)
NEBV-S1G25-K...-LE15	Sub-D socket, 15-pin		9				
NEBV-S1G44-K...-LE39	Sub-D socket, 44-pin		9.5				

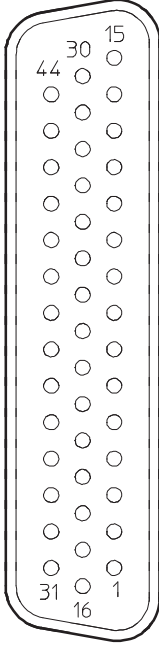
Wiring allocation (socket view)

	NEBV-S1G25-K...-LE15		NEBV-S1G25-K...-LE25	
	Pin	Wire colour ¹⁾	Pin	Wire colour ¹⁾
	1	WH	1	WH
	2	BN	2	BN
	3	GN	3	GN
	4	YE	4	YE
	5	GY	5	GY
	6	PK	6	PK
	7	BU	7	BU
	8	RD	8	RD
	9	BK	9	BK
	10	VT	10	VT
	11	GY PK	11	GY PK
	12	RD BU	12	RD BU
	13	–	13	GN WH
	14	–	14	BN GN
	15	–	15	YE WH
	16	–	16	BN YE
	17	–	17	GY WH
	18	–	18	BN GY
	19	–	19	WH PK
	20	–	20	BN PK
	21	–	21	BU WH
	22	–	22	BN BU
	23	GN WH	23	RD WH
	24	BN GN	24	BN RD
	25	YE WH	25	BK WH

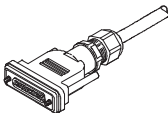
1) To IEC 757

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Wiring allocation (socket view)		NEBV-S1G44-K-...-LE39				
		Pin	Wire colour ¹⁾		Pin	Wire colour ¹⁾
	1	WH		23	WH RD	
	2	BN		24	BN RD	
	3	GN		25	WH BK	
	4	YE		26	BN BK	
	5	GY		27	GY GN	
	6	PK		28	YE GY	
	7	BU		29	PK GN	
	8	RD		30	YE PK	
	9	BK		31	GN BU	
	10	VT		32	YE BU	
	11	GY PK		33	GN RD	
	12	RD BU		34	YE RD	
	13	WH GN		35	GN BK	
	14	BN GN		36	–	
	15	WH YE		37	–	
	16	YE BN		38	–	
	17	WH GY		39	–	
	18	GY BN		40	–	
	19	WH PK		41	YE BK	
	20	PK BN		42	GY BU	
	21	WH BU		43	PK BU	
	22	BN BU		44	GY RD	

1) To IEC 757

Ordering data					
	Cable composition [mm ²]	Product weight [g]	Cable length [m]	Part No.	Type
	15x0.34	370	2.5	538222	NEBV-S1G25-K-2,5-N-LE15
	15x0.34	670	5	538223	NEBV-S1G25-K-5-N-LE15
	15x0.34	1,270	10	538224	NEBV-S1G25-K-10-N-LE15
	20x0.25 + 5x0.34	490	2.5	538225	NEBV-S1G25-K-2,5-N-LE25
	20x0.25 + 5x0.34	910	5	538226	NEBV-S1G25-K-5-N-LE25
	20x0.25 + 5x0.34	1,750	10	538227	NEBV-S1G25-K-10-N-LE25
	40x0.14	389	2.5	565289	NEBV-S1G44-K-2,5-N-LE39
	40x0.14	737	5	565290	NEBV-S1G44-K-5-N-LE39
	40x0.14	1,432	10	565291	NEBV-S1G44-K-10-N-LE39