

# CABLE-D-25SUB/F/OE/0,25/S/10M - Cable



2906214

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Assembled shielded round cable; connection 1: Single wires (25-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB socket strip (1x 25-position); cable length: 10 m

## Your advantages

- Individual wire marking: 1, 2, 3, 4, etc.
- Individual wires fitted with ferrules
- Connector in accordance with IEC 60807-2/DIN 41652
- 1:1 connection
- Open end at one end
- Screw connection: 2 UNC 4-40 screws
- D-SUB socket or pin strip at one end
- Shield connection: H05V-K 1 mm<sup>2</sup> cable, black, length: 0.5 m

## Commercial data

Item number	2906214
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C421
Product key	CK2254
GTIN	4055626050256
Weight per piece (including packing)	1,607.8 g
Weight per piece (excluding packing)	1,531 g
Customs tariff number	85444290
Country of origin	DE

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## Technical data

### Product properties

Product type	System cable
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### Environmental and real-life conditions

#### Ambient conditions

Degree of protection	IP20
Degree of protection (Installation location)	≥ IP54 (Installation location)
Ambient temperature (operation)	-40 °C ... 70 °C (fixed installation)
	-10 °C ... 70 °C (flexible installation)
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Altitude	≤ 2000 m

### Electrical properties

Operating voltage (AC)	≤ 30 V AC
Operating voltage (DC)	≤ 60 V DC
Nominal operating mode	100% operating factor
Current (Per path)	≤ 2 A (Uncoiled, see derating)

### Cable/line

Cable length	10 m
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#### 25X0.25 [PVC]

UL AWM Style	2464/1061
Number of positions	25
Shielded	yes
Cable type	25X0.25 [PVC]
Conductor type	Assembled shielded round cable
Conductor structure signal line	14x 0.15 mm
AWG signal line	24
Conductor cross section	25x 0.25 mm <sup>2</sup>
Wire diameter incl. insulation	1.2 mm ±0.05 mm
External cable diameter	9.80 mm ±0.5 mm
Outer sheath, material	Semi-rigid PVC
External sheath, color	gray
Conductor material	Bare Cu litz wires
Cable resistance	≤ 80 Ω/km (at 20 °C)
Insulation resistance	≥ 20 MΩ*km (at 20 °C)
Smallest bending radius, fixed installation	82 mm
Smallest bending radius, movable installation	155 mm
Max. bending cycles	5000 (at a radius of ≥ 15x outside diameter)
Halogen-free	no

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Flame resistance	IEC 60332-1-2 (raw cable) VDE 0842, Part 332-1-2 (raw cable) IEC 60332-3-22 (raw cable) UL VW-1 CSA FT-1
Resistance to oil	can withstand occasional splashes (raw cable)
D-SUB25 (1)	( ) = white
D-SUB25 (2)	( ) = brown
D-SUB25 (3)	( ) = green
D-SUB25 (4)	( ) = yellow
D-SUB25 (5)	( ) = gray
D-SUB25 (6)	( ) = pink
D-SUB25 (7)	( ) = blue
D-SUB25 (8)	( ) = red
D-SUB25 (9)	( ) = black
D-SUB25 (10)	( ) = violet
D-SUB25 (11)	( ) = gray-pink
D-SUB25 (12)	( ) = red-blue
D-SUB25 (13)	( ) = white-green
D-SUB25 (14)	( ) = brown-green
D-SUB25 (15)	( ) = white-yellow
D-SUB25 (16)	( ) = yellow-brown
D-SUB25 (17)	( ) = white-gray
D-SUB25 (18)	( ) = gray-brown
D-SUB25 (19)	( ) = white-pink
D-SUB25 (20)	( ) = pink-brown
D-SUB25 (21)	( ) = white-blue
D-SUB25 (22)	( ) = brown-blue
D-SUB25 (23)	( ) = white-red
D-SUB25 (24)	( ) = brown-red
D-SUB25 (25)	( ) = white-black

## Connection data

### Connection 1

Connection method	Single wires
Stripping length (Sheath)	≈  mm
Number of positions	25
Note	The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.

### Connection 2

Connection in acc. with standard	IEC 60807-2 DIN 41652
Connection method	D-SUB socket strip

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Screw thread	UNC 4-40
Number of connections	1
Number of positions	25
Tightening torque	0.2 Nm
Insertion/withdrawal cycles	> 200
Pitch	2.77 mm

## Notes

Notes on operation	For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met.
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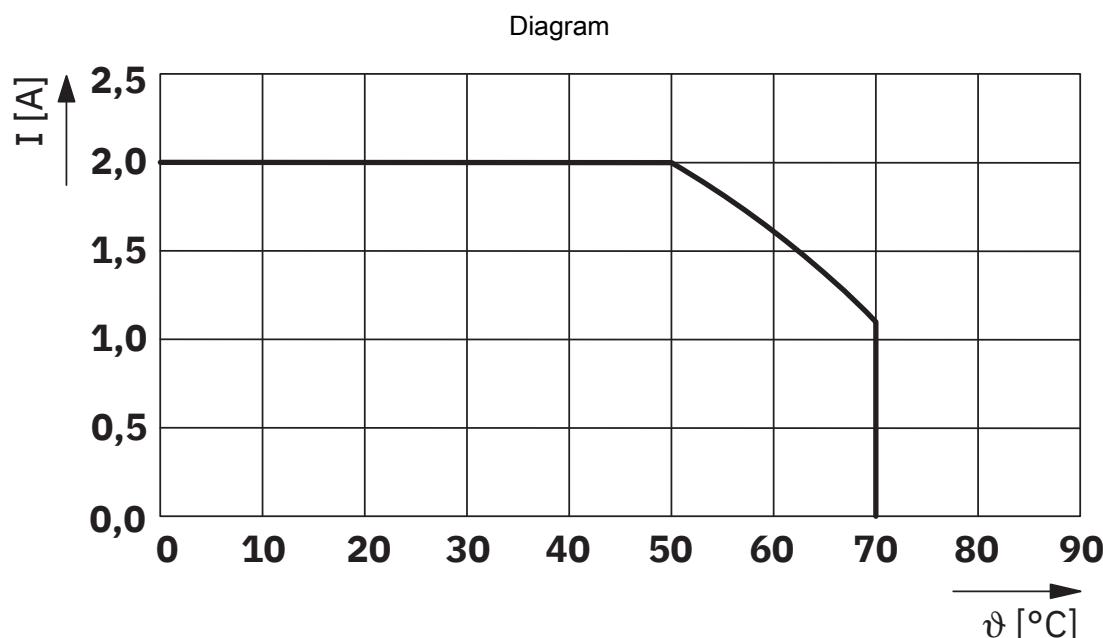
# CABLE-D-25SUB/F/OE/0,25/S/10M - Cable



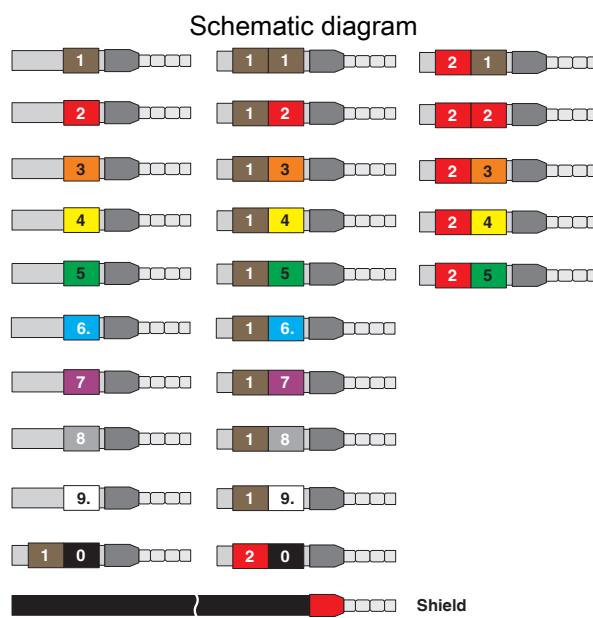
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## Drawings



Maximum permissible current per path in uncoiled state



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## Approvals

ⓘ To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2906214>

CSA	Approval ID: 70002966	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
		125 V	1 A	-	-

cUL Recognized	Approval ID: FILE E 238705	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
		125 V	2 A	-	-

UL Recognized	Approval ID: FILE E 238705	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
		125 V	2 A	-	-

EAC	Approval ID: RU*-DE.HB*35.B00385
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**cULus Recognized**

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## Classifications

### ECLASS

ECLASS-11.0	27242220
ECLASS-12.0	27242220
ECLASS-13.0	27242220

### ETIM

ETIM 9.0	EC000237
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### UNSPSC

UNSPSC 21.0	26121600
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(a)

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.	

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	8a6c2009-0720-498d-b2b8-f0498039a0a9

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## Accessories

### KME - Cable marker carrier

0807083

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Cable marker carrier, white, unlabeled, mounting type: Assembly with cable ties,  
cable diameter: > 5 mm, lettering field size: 20 x 8 mm

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