

# CABLE-D 9SUB/B/B/300/KONFEK/S - Cable



2305431

<https://www.phoenixcontact.com/us/products/2305431>

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Assembled shielded round cable; connection 1: D-SUB socket strip (1x 9-position); connection 2: D-SUB socket strip (1x 9-position); cable length: 3 m



## Commercial data

Item number	2305431
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	DK2252
GTIN	4046356011792
Weight per piece (including packing)	258.8 g
Weight per piece (excluding packing)	241.3 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) (fixed installation)	-40 °C ... 70 °C (fixed installation)
Ambient temperature (operation) (flexible 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	3 m
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#### 9X0.25 [PVC]

UL AWM Style	2464/1061
Number of positions	9
Shielded	yes
Cable type	9X0.25 [PVC]
Conductor type	Assembled shielded round cable
Conductor structure signal line	14x 0.15 mm
AWG signal line	24
Conductor cross-section	9x 0.25 mm <sup>2</sup>
Wire diameter incl. insulation	1.2 mm ±0.05 mm
External cable diameter	6.70 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 (20 °C)
Insulation resistance	≥ 20 MΩ*km (20 °C)
Nominal voltage, cable	300 V AC/DC
Smallest bending radius, fixed installation	58 mm
Smallest bending radius, movable installation	108 mm
Dynamic load capacity (bending)	Max. bending cycles: 5000 (at a radius of ≥ 15x outside diameter)

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Halogen-free	no
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)

Color code: Single-core wire

white	D-SUB9 (1) = D-SUB9 (1)
brown	D-SUB9 (2) = D-SUB9 (2)
green	D-SUB9 (3) = D-SUB9 (3)
yellow	D-SUB9 (4) = D-SUB9 (4)
gray	D-SUB9 (5) = D-SUB9 (5)
pink	D-SUB9 (6) = D-SUB9 (6)
blue	D-SUB9 (7) = D-SUB9 (7)
red	D-SUB9 (8) = D-SUB9 (8)
black	D-SUB9 (9) = D-SUB9 (9)

## Connection data

Connection 1

Connection in acc. with standard	IEC 60807-2
	DIN 41652
Connection method	D-SUB socket strip
Screw thread	UNC 4-40
Number of connections	1
Number of positions	9
Tightening torque	0.2 Nm
Insertion/withdrawal cycles	> 200
Pitch	2.74 mm

Connection 2

Connection in acc. with standard	IEC 60807-2
	DIN 41652
Connection method	D-SUB socket strip
Screw thread	UNC 4-40
Number of connections	1
Number of positions	9
Tightening torque	0.2 Nm
Insertion/withdrawal cycles	> 200
Pitch	2.74 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-
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party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met.

Drawings

Diagram



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/2305431>

 <b>CSA</b> Approval ID: 70002966				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	125 V	1 A	-	-

 <b>cUL Recognized</b> Approval ID: E238705				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	125 V	2 A	-	-

 <b>UL Recognized</b> Approval ID: E238705				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	125 V	2 A	-	-

 <b>EAC</b> Approval ID: RU*-DE.HB*35.B00385				
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 <b>cULus Listed</b> Approval ID: E238705 V22/S5				
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## Classifications

### ECLASS

ECLASS-13.0	27242220
ECLASS-15.0	27242220

### ETIM

ETIM 10.0	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	7e4dbcc2-6922-4930-b09b-84893e333667

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