

# System cable - CABLE-D 9SUB/B/S/600/KONFEK/S - 2302049

<https://www.phoenixcontact.com/in/products/2302049>

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Assembled shielded round cable; connection 1: D-SUB socket strip (1x 9-position); connection 2: D-SUB pin strip (1x 9-position); cable length: 6 m

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## Commercial Data

Order Key	2302049
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	CK2
Catalog Page	Page 570 (C-5-2019)
GTIN	4017918893002
Weight per Piece (including packing)	449.7 GRM
Weight per Piece (excluding packing)	420.8 GRM
Customs tariff number	85444290
Country of origin	DE

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## Technical Data

### Product properties

#### Insulation characteristics

Overvoltage category	II
Pollution degree	2
Insulation	Functional insulation

### Ambient conditions

Degree of protection	IP20 ≥ 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
Resistance to oil	can withstand occasional splashes (raw cable)

### Electrical properties

Max. permissible operating voltage	25 V AC 60 V DC
Nominal operating mode	100% operating factor
Max. current carrying capacity per path	2 A (see to derating)
Rated insulation voltage	125 V
Rated surge voltage	1.2 kV

### Cable / line

#### Cable structure

Type of cable	Assembled shielded round cable
External cable diameter	6.7 mm ±0.5 mm
Outer sheath, material	Semi-rigid PVC
External sheath, color	gray
Single wire, number of litz wires	14
Single wire, material	Cu uninsulated
Wire diameter incl. insulation	1.2 mm ±0.05 mm
Single wire, cross section	0.25 mm <sup>2</sup>
Single wire, cross section [AWG]	24
Shielding	yes
Shielding	Tinned copper-braided shield, approx. 85% covering

#### Electrical properties

Conductor resistance	≤ 80 Ω/km (at 20 °C)
Cable insulation resistance	≥ 20 MΩ/km (at 20 °C)

# System cable - CABLE-D

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### Mechanical properties

Smallest bending radius, fixed installation	58 mm
Smallest bending radius, movable installation	108 mm
Bending cycles	5000 (at a radius of $\geq 15x$ outside diameter)

### Ambient conditions

Halogen-free	No
Resistance to oil	can withstand occasional splashes (raw cable)
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

### color code

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

### Connection data

#### Field level

Connection method	D-SUB pin strip
Number of connections	1
Number of positions	9
Torque	0.2 Nm
Insertion/withdrawal cycles	> 200

#### Controller level

Connection method	D-SUB socket strip
Number of connections	1
Number of positions	9
Torque	0.2 Nm
Insertion/withdrawal cycles	> 200

### Standards and regulations

Gasoline resistance	can withstand occasional splashes (raw cable)
Flame resistance	IEC 60332-1-2 (raw cable)
	VDE 0842, Part 332-1-2 (raw cable)

# System cable - CABLE-D

## 9SUB/B/S/600/KONFEK/S - 2302049

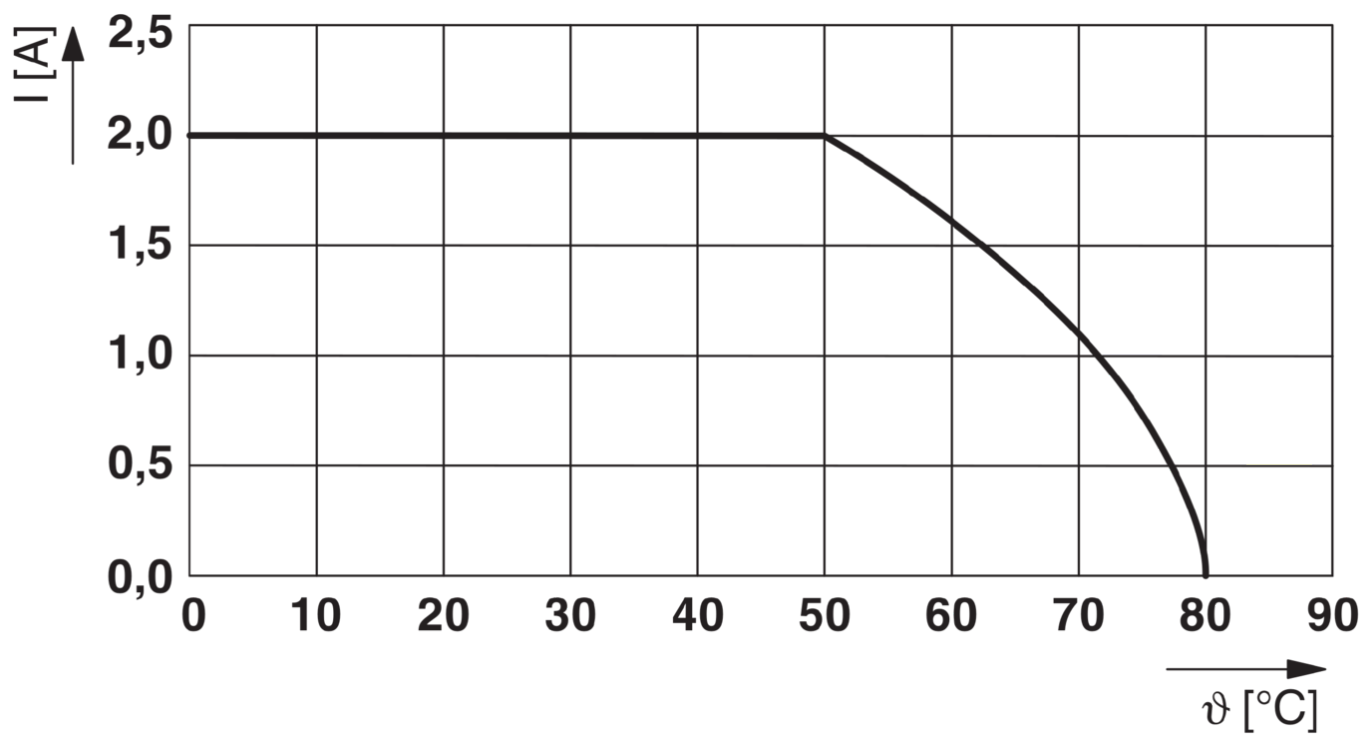


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	IEC 60332-3-22 (raw cable)
	UL VW-1
	CSA FT-1
Resistance to oil	can withstand occasional splashes (raw cable)
Air clearances and creepage distances	
Standards/regulations	DIN EN 50178

Drawings

Diagram



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## Approvals

CSA 

Nominal voltage $U_N$	125 V
Nominal current $I_N$	1 A

UL Recognized 

Nominal voltage $U_N$	125 V
Nominal current $I_N$	2 A

cUL Recognized 

Nominal voltage $U_N$	125 V
Nominal current $I_N$	2 A

EAC 

cULus Recognized

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## Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50 years
China RoHS	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"



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## Accessories

### Marker carrier cable

Marker carrier cable - KME - 0807083



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

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