

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



2906214

<https://www.phoenixcontact.com/us/products/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 mm² 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	CK2135
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 ²
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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