CABLE-D-50SUB/F/OE/0,25/S/1,0M - Cable

2926302

https://www.phoenixcontact.com/us/products/2926302

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Assembled shielded round cable; connection 1: Single wires (50-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 50-position); cable length: 1 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
- D-SUB socket or pin strip at one end
- Screw connection: 2 UNC 4-40 screws
- Shield connection: H05V-K 1 mm² cable, black, length: 0.5 m

Commercial data

Item number	2926302
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	CK2254
Catalog page	Page 577 (C-5-2019)
GTIN	4046356548090
Weight per piece (including packing)	319.2 g
Weight per piece (excluding packing)	319.2 g
Customs tariff number	85444290
Country of origin	DE

Technical data

Product properties

Product type	System cable

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	1 m

50X0.25 [PVC]

UL AWM Style	2464/1061
Number of positions	50
Shielded	yes
Cable type	50X0.25 [PVC]
Conductor type	Assembled shielded round cable
Conductor structure signal line	14x 0.15 mm
AWG signal line	24
Conductor cross section	50x 0.25 mm²
Wire diameter incl. insulation	1.2 mm ±0.05 mm
External cable diameter	12.40 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	106 mm
Smallest bending radius, movable installation	200 mm
Max. bending cycles	(at a radius of ≥ 15x outside diameter)
Bending radius	5000 mm

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)
D-SUB50 (1)	() = white
D-SUB50 (2)	() = brown
D-SUB50 (3)	() = green
D-SUB50 (4)	() = yellow
D-SUB50 (5)	() = gray
D-SUB50 (6)	() = pink
D-SUB50 (7)	() = blue
D-SUB50 (8)	() = red
D-SUB50 (9)	() = black
D-SUB50 (10)	() = violet
D-SUB50 (11)	() = gray-pink
D-SUB50 (12)	() = red-blue
D-SUB50 (13)	() = white-green
D-SUB50 (14)	() = brown-green
D-SUB50 (15)	() = white-yellow
D-SUB50 (16)	() = yellow-brown
D-SUB50 (17)	() = white-gray
D-SUB50 (18)	() = gray-brown
D-SUB50 (19)	() = white-pink
D-SUB50 (20)	() = pink-brown
D-SUB50 (21)	() = white-blue
D-SUB50 (22)	() = brown-blue
D-SUB50 (23)	() = white-red
D-SUB50 (24)	() = brown-red
D-SUB50 (25)	() = white-black
D-SUB50 (26)	() = brown-black
D-SUB50 (27)	() = gray-green
D-SUB50 (28)	() = yellow-gray
D-SUB50 (29)	() = pink-green
D-SUB50 (30)	() = yellow-pink
D-SUB50 (31)	() = green-blue
D-SUB50 (32)	() = yellow-blue
D-SUB50 (33)	() = green-red
D-SUB50 (34)	() = yellow-red
D-SUB50 (35)	() = green-black
D-SUB50 (36)	() = yellow-black
D-SUB50 (37)	() = gray-blue

D-SUB50 (38)	() = pink-blue
D-SUB50 (39)	() = gray-red
D-SUB50 (40)	() = pink-red
D-SUB50 (41)	() = gray-black
D-SUB50 (42)	() = pink-black
D-SUB50 (43)	() = blue-black
D-SUB50 (44)	() = red-black
D-SUB50 (45)	() = white-brown
D-SUB50 (46)	() = yellow-green
D-SUB50 (47)	() = gray-pink
D-SUB50 (48)	() = blue-red
D-SUB50 (49)	() = white-green
D-SUB50 (50)	() = green-brown

Connection data

Connection 1

Connection method	Single wires
Stripping length (Sheath)	≈ mm
Number of positions	50
Note	The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.

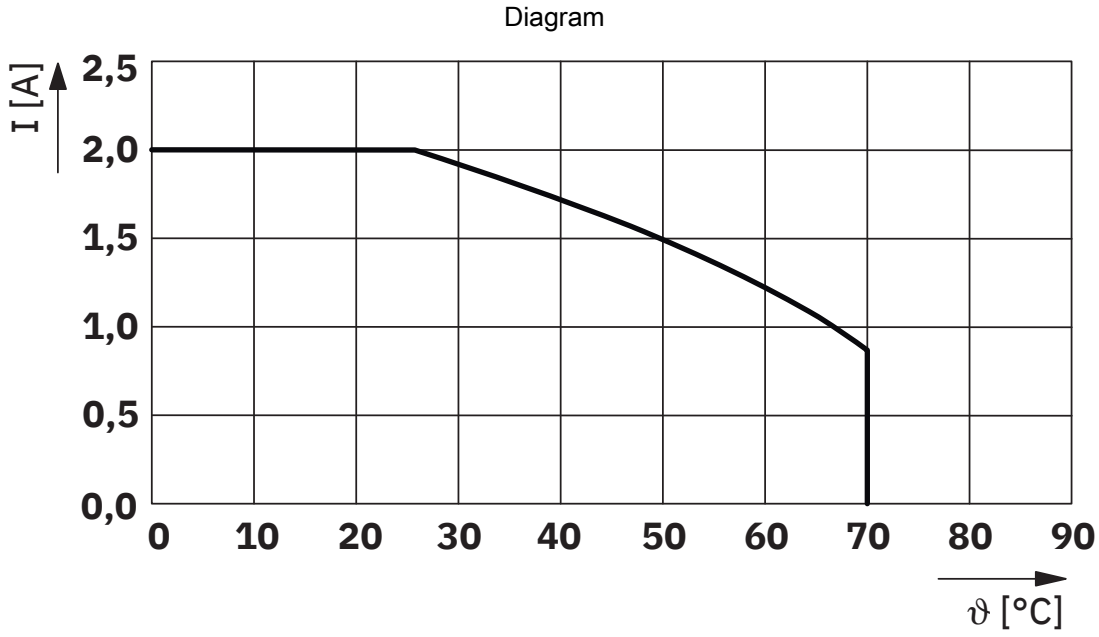
Connection 2

Connection in acc. with standard	IEC 60807-2
	DIN 41652
Connection method	D-SUB socket strip
Screw thread	UNC 4-40
Number of connections	1
Number of positions	50
Tightening torque	0.2 Nm
Insertion/withdrawal cycles	> 200
Pitch	2.77 mm

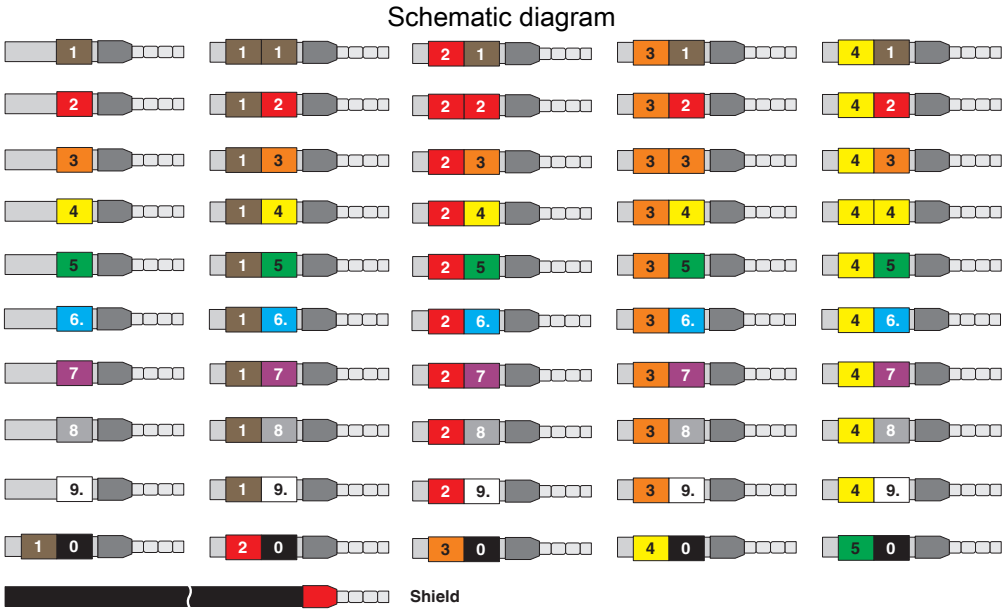
Notes

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.

Drawings



Maximum permissible current per path in uncoiled state



Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2926302

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

cULus Recognized

Classifications

ECLASS

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

ETIM

ETIM 9.0	EC000237

UNSPSC

UNSPSC 21.0	26121600

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	213be3e3-0b6b-4a5c-a122-21b96e3e7ae5

Accessories

KME - Cable marker carrier

0807083

https://www.phoenixcontact.com/us/products/0807083



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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