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	DK2254
GTIN	4046356548090
Weight per piece (including packing)	319.2 g
Weight per piece (excluding packing)	320.2 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) (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	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
Halogen-free	no
	IEC 60332-1-2 (raw cable)

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

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

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

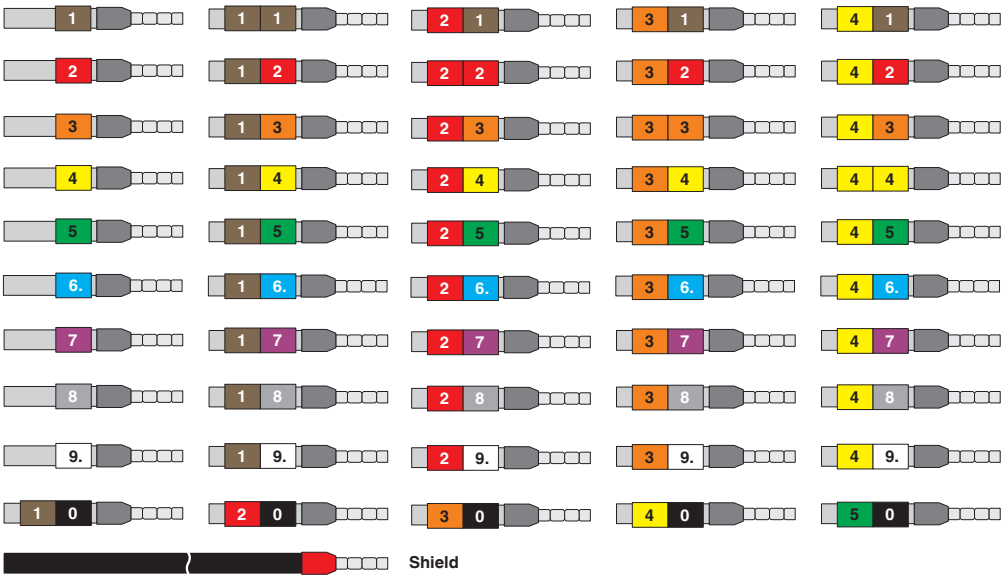
Connection in acc. with standard	IEC 60807-2
	DIN 41652
Connection method	D-SUB socket strip
Screw thread	UNC 4-40
Number of connections	1
Number of positions	50
Tightening torque	0.2 Nm
Insertion/withdrawal cycles	> 200
Pitch	2.77 mm

Notes

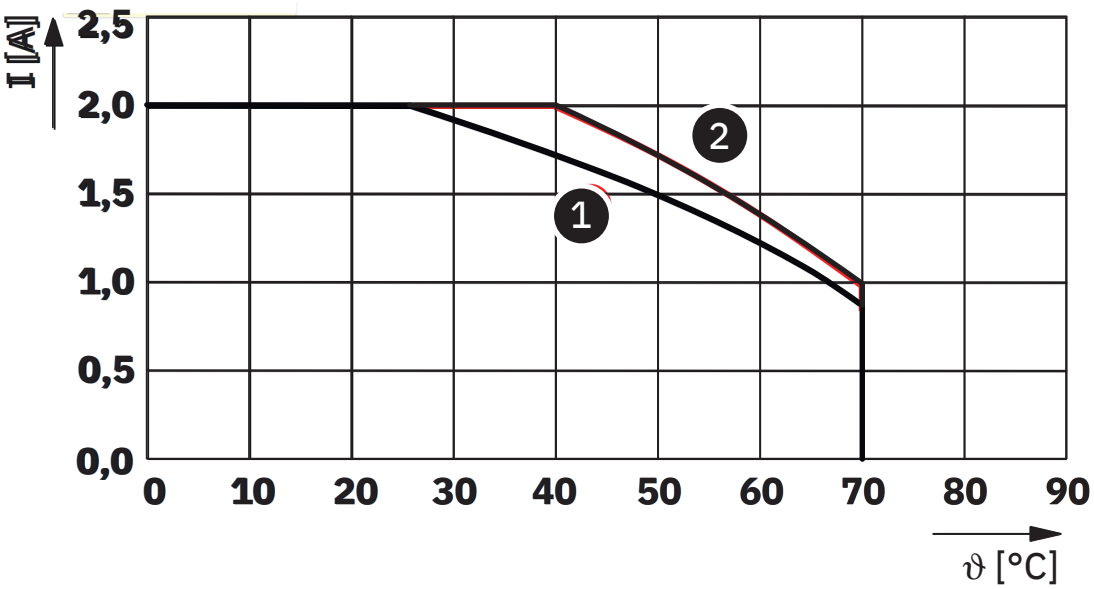
Notes on operation	For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met.

Drawings

Schematic diagram



Diagram



(1) Derating: standard

(2) Derating: in accordance with UL

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
keine				
	125 V	1 A	-	-

cUL Recognized
Approval ID: E238705

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	125 V	2 A	-	-

UL Recognized
Approval ID: E238705

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	125 V	2 A	-	-

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

cULus Listed
Approval ID: E238705 V22/S5

Classifications

ECLASS

ECLASS-13.0	27242220
ECLASS-15.0	27242220

ETIM

ETIM 10.0	EC000237

UNSPSC

UNSPSC 21.0	26121600

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(a)-I

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

EF3.1 Climate Change

CO2e kg	8.891 kg CO2e

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https://www.phoenixcontact.com

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com