

## Cable - CABLE-D-50SUB/M/OE/0,25/S/1,5M - 2926661

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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 pin strip (1x 50-position); cable length: 1.5 m

### Your advantages

- ✓ Individual wire marking: 1, 2, 3, 4, etc.
- ✓ Individual wires fitted with ferrules
- ✓ Connector according to IEC 60807-2/DIN 41652
- ✓ Open end at one end
- ✓ Screw connection: 2 UNC 4-40 screws
- ✓ Shield connection: H05V-K 1 mm<sup>2</sup> cable, black, 0.5 m in length
- ✓ D-SUB socket or pin strip at one end
- ✓ 1:1 connection



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 548274
GTIN	4046356548274

### Technical data

#### Ambient conditions

Ambient temperature (operation)	-40 °C ... 70 °C (fixed installation)
	-10 °C ... 70 °C (flexible installation)
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Maximum altitude	≤ 2000 m
Degree of protection	IP20
	≥ IP54 (Installation location)

#### General

Max. permissible operating voltage	25 V AC
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# Cable - CABLE-D-50SUB/M/OE/0,25/S/1,5M - 2926661

## Technical data

### General

	60 V DC
Max. current carrying capacity per path	2 A (see to derating)
Length of cable	1.5 m
External cable diameter	12.4 mm ±0.5 mm
Single wire, cross section	0.25 mm <sup>2</sup>
Single wire, cross section [AWG]	24
Single wire, number of litz wires	14
Single wire, material	Cu uninsulated
Wire diameter incl. insulation	1.2 mm ±0.05 mm
Smallest bending radius, fixed installation	106 mm
Smallest bending radius, movable installation	200 mm
Bending cycles	5000 (at a radius of ≥ 15x outside diameter)
Shielding	yes
	Tinned copper-braided shield, approx. 85% covering
Cable insulation resistance	≥ 20 MΩ/km (at 20 °C)
Cable resistance	≤ 80 Ω/km (at 20 °C)
Outer sheath, material	Semi-rigid PVC
External sheath, color	gray
Nominal operating mode	100% operating factor

### Connection data

Connection name	Field level
Connection method	D-SUB pin strip
Number of connections	1
Number of positions	50
Torque	0.2 Nm
Insertion/withdrawal cycles	> 200

### Connection data 2

Connection name	Controller level
Connection method	Single wires
Number of positions	50
Note	The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.

### Standards and Regulations

Flame resistance	UL VW-1
	CSA FT-1
	IEC 60332-1-2
	VDE 0842, Part 332-1-2
	IEC 60332-3-22
Resistance to oil	against occasional splashes
Gasoline resistance	against occasional splashes

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## Technical data

### Standards and Regulations

Connection in acc. with standard	CUL
Designation	Air clearances and creepage distances
Standards/regulations	DIN EN 50178
Rated insulation voltage	125 V
Rated surge voltage	1.2 kV
Insulation	Functional insulation
Pollution degree	2
Overvoltage category	II

### Supported controller

Controller	universal
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### Color code

Connector 1 = connector 2 (optional) = wire color	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

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### Technical data

#### Color code

	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-black
	D-SUB50 (46) = yellow-green-black
	D-SUB50 (47) = gray-pink-black
	D-SUB50 (48) = blue-red-black
	D-SUB50 (49) = white-green-black
	D-SUB50 (50) = green-brown-black

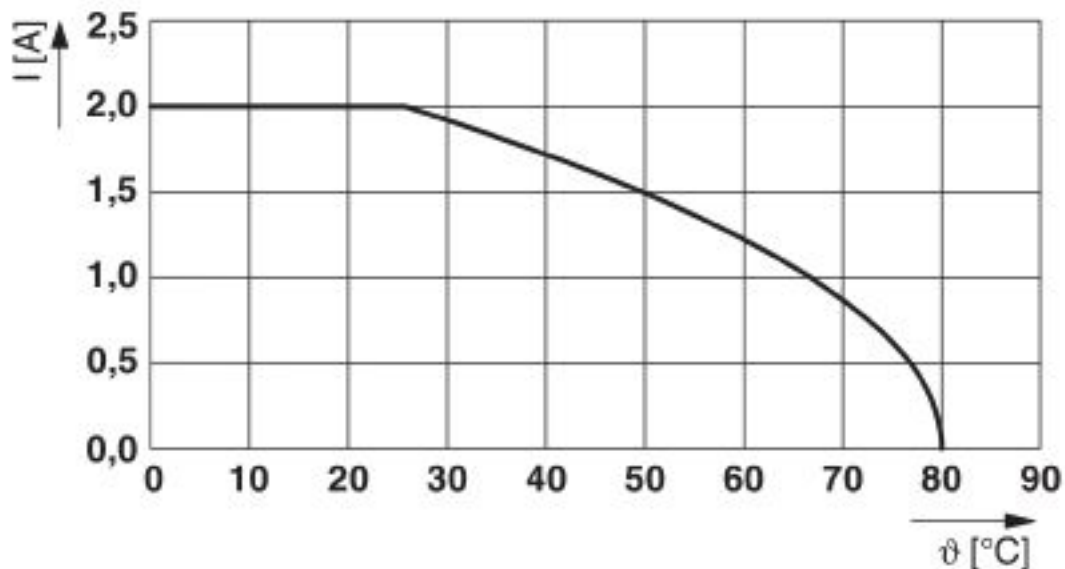
#### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

### Drawings

## Cable - CABLE-D-50SUB/M/OE/0,25/S/1,5M - 2926661

Diagram



Maximum permissible current per path in uncoiled state

### Classifications

eCl@ss

eCl@ss 10.0.1	27242220
eCl@ss 4.0	27060300
eCl@ss 4.1	27060300
eCl@ss 5.0	27242200
eCl@ss 5.1	27242200
eCl@ss 6.0	27249200
eCl@ss 7.0	27249205
eCl@ss 8.0	27249205
eCl@ss 9.0	27242220

ETIM

ETIM 2.0	EC000237
ETIM 3.0	EC000237
ETIM 4.0	EC000237
ETIM 5.0	EC000237
ETIM 6.0	EC000237
ETIM 7.0	EC000237

UNSPSC

UNSPSC 6.01	26121620
UNSPSC 7.0901	26121620
UNSPSC 11	26121620

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## Classifications

### UNSPSC

UNSPSC 12.01	26121620
UNSPSC 13.2	26121620
UNSPSC 18.0	26121620
UNSPSC 19.0	26121620
UNSPSC 20.0	26121620
UNSPSC 21.0	26121620

## Approvals


### Approvals


#### Approvals


CSA / UL Recognized / cUL Recognized / EAC / cULus Recognized

#### Ex Approvals

### Approval details

CSA		<a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a>	70002966
Nominal voltage UN		125 V	
Nominal current IN		1 A	

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 238705
Nominal voltage UN		125 V	
Nominal current IN		2 A	

cUL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 238705
Nominal voltage UN		125 V	
Nominal current IN		2 A	

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### Approvals

EAC		RU* DE.HB*35.B00385
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cULus Recognized	
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### Accessories

#### Accessories

#### Marker carrier cable

Cable marker carrier - 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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