

Cable - CABLE-D37SUB/B/S/HF/S/ 1,0M - 1066608

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Assembled, shielded, halogen-free round cable; connection 1: D-SUB socket strip (1x 37-position); connection 2: D-SUB pin strip (1x 37-position); cable length: 1 m



Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4055626732824

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
	60 V DC
Max. current carrying capacity per path	2 A (see to derating)
Length of cable	1 m
External cable diameter	10.8 mm ±0.5 mm
Single wire, cross section	0.25 mm ²
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

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Technical data

General

Smallest bending radius, fixed installation	90 mm
Smallest bending radius, movable installation	170 mm
Bending cycles	5000 (at a radius of $\geq 15x$ outside diameter)
Shielding	yes
	Tinned copper braided shield
Cable insulation resistance	$\geq 20 \text{ M}\Omega/\text{km}$ (at 20 °C)
Cable resistance	$\leq 80 \text{ }\Omega/\text{km}$ (at 20 °C)
Outer sheath, material	Halogen-free sheath
External sheath, color	gray
Nominal operating mode	100% operating factor

Connection data

Connection name	Field level
Connection method	D-SUB pin strip
Screw thread	UNC 4-40
Number of connections	1
Number of positions	37
Torque	0.2 Nm
Insertion/withdrawal cycles	> 200

Connection data 2

Connection name	Controller level
Connection method	D-SUB socket strip
Screw thread	UNC 4-40
Number of connections	1
Number of positions	37
Torque	0.2 Nm
Insertion/withdrawal cycles	> 200

Standards and Regulations

Flame resistance	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
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

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Supported controller

Controller	universal
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Color code

Connector 1 = connector 2 (optional) = wire color	D-SUB37 (1) = D-SUB37 (1) = white
	D-SUB37 (2) = D-SUB37 (2) = brown
	D-SUB37 (3) = D-SUB37 (3) = green
	D-SUB37 (4) = D-SUB37 (4) = yellow
	D-SUB37 (5) = D-SUB37 (5) = gray
	D-SUB37 (6) = D-SUB37 (6) = pink
	D-SUB37 (7) = D-SUB37 (7) = blue
	D-SUB37 (8) = D-SUB37 (8) = red
	D-SUB37 (9) = D-SUB37 (9) = black
	D-SUB37 (10) = D-SUB37 (10) = violet
	D-SUB37 (11) = D-SUB37 (11) = gray-pink
	D-SUB37 (12) = D-SUB37 (12) = red-blue
	D-SUB37 (13) = D-SUB37 (13) = white-green
	D-SUB37 (14) = D-SUB37 (14) = brown-green
	D-SUB37 (15) = D-SUB37 (15) = white-yellow
	D-SUB37 (16) = D-SUB37 (16) = yellow-brown
	D-SUB37 (17) = D-SUB37 (17) = white-gray
	D-SUB37 (18) = D-SUB37 (18) = gray-brown
	D-SUB37 (19) = D-SUB37 (19) = white-pink
	D-SUB37 (20) = D-SUB37 (20) = pink-brown
	D-SUB37 (21) = D-SUB37 (21) = white-blue
	D-SUB37 (22) = D-SUB37 (22) = brown-blue
	D-SUB37 (23) = D-SUB37 (23) = white-red
	D-SUB37 (24) = D-SUB37 (24) = brown-red
	D-SUB37 (25) = D-SUB37 (25) = white-black
	D-SUB37 (26) = D-SUB37 (26) = brown-black
	D-SUB37 (27) = D-SUB37 (27) = gray-green
	D-SUB37 (28) = D-SUB37 (28) = yellow-gray
	D-SUB37 (29) = D-SUB37 (29) = pink-green
	D-SUB37 (30) = D-SUB37 (30) = yellow-pink
	D-SUB37 (31) = D-SUB37 (31) = green-blue
	D-SUB37 (32) = D-SUB37 (32) = yellow-blue
	D-SUB37 (33) = D-SUB37 (33) = green-red
	D-SUB37 (34) = D-SUB37 (34) = yellow-red
	D-SUB37 (35) = D-SUB37 (35) = green-black
	D-SUB37 (36) = D-SUB37 (36) = yellow-black
	D-SUB37 (37) = D-SUB37 (37) = gray-blue

Cable - CABLE-D37SUB/B/S/HF/S/ 1,0M - 1066608

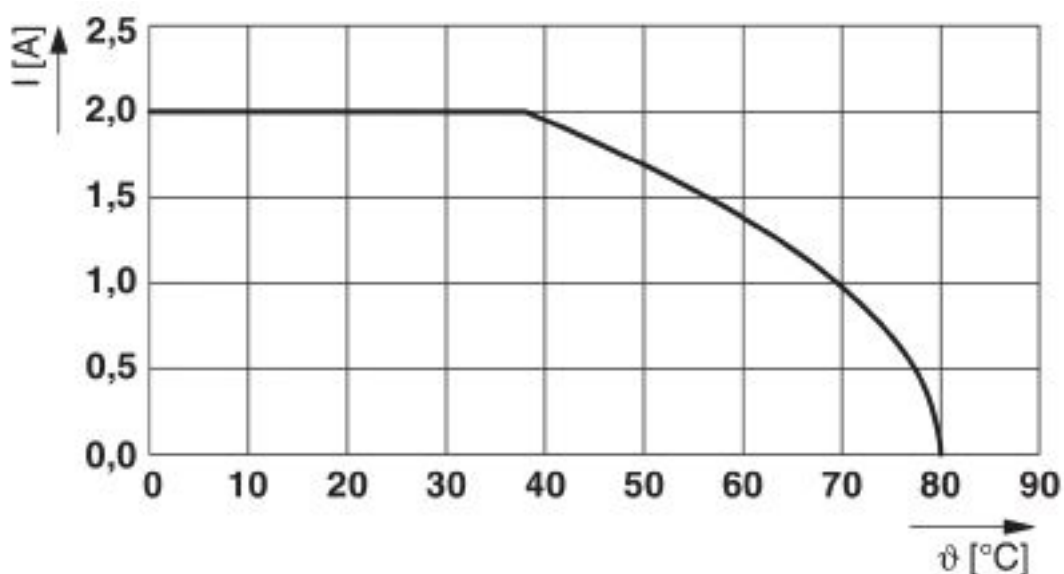
Technical data

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

Diagram



Maximum permissible current per path in uncoiled state

Classifications

eCl@ss

eCl@ss 10.0.1	27242220
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 5.0	EC000237
ETIM 6.0	EC000237
ETIM 7.0	EC000237

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Approvals


Approvals


Approvals


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

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	70002966
Nominal voltage UN		125 V	
Nominal current IN		1 A	

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

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

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

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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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