CABLE-D50SUB/B/B/200/KONFEK/S - Cable

2305554

https://www.phoenixcontact.com/us/products/2305554

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Assembled shielded round cable; connection 1: D-SUB socket strip (1x 50-position); connection 2: D-SUB socket strip (1x 50-position); cable length: 2 m

Commercial data

Item number	2305554
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	CK2135
Catalog page	Page 571 (C-5-2019)
GTIN	4046356011891
Weight per piece (including packing)	619.8 g
Weight per piece (excluding packing)	601.8 g
Customs tariff number	85444290
Country of origin	DE

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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	2 m

50X0.25 [PVC]

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)
Halogen-free	no
	IEC 60332-1-2 (raw cable)

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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)
D-SUB50 (1)	D-SUB50 (1) = white
D-SUB50 (2)	D-SUB50 (2) = brown
D-SUB50 (3)	D-SUB50 (3) = green
D-SUB50 (4)	D-SUB50 (4) = yellow
D-SUB50 (5)	D-SUB50 (5) = gray
D-SUB50 (6)	D-SUB50 (6) = pink
D-SUB50 (7)	D-SUB50 (7) = blue
D-SUB50 (8)	D-SUB50 (8) = red
D-SUB50 (9)	D-SUB50 (9) = black
D-SUB50 (10)	D-SUB50 (10) = violet
D-SUB50 (11)	D-SUB50 (11) = gray-pink
D-SUB50 (12)	D-SUB50 (12) = red-blue
D-SUB50 (13)	D-SUB50 (13) = white-green
D-SUB50 (14)	D-SUB50 (14) = brown-green
D-SUB50 (15)	D-SUB50 (15) = white-yellow
D-SUB50 (16)	D-SUB50 (16) = yellow-brown
D-SUB50 (17)	D-SUB50 (17) = white-gray
D-SUB50 (18)	D-SUB50 (18) = gray-brown
D-SUB50 (19)	D-SUB50 (19) = white-pink
D-SUB50 (20)	D-SUB50 (20) = pink-brown
D-SUB50 (21)	D-SUB50 (21) = white-blue
D-SUB50 (22)	D-SUB50 (22) = brown-blue
D-SUB50 (23)	D-SUB50 (23) = white-red
D-SUB50 (24)	D-SUB50 (24) = brown-red
D-SUB50 (25)	D-SUB50 (25) = white-black
D-SUB50 (26)	D-SUB50 (26) = brown-black
D-SUB50 (27)	D-SUB50 (27) = gray-green
D-SUB50 (28)	D-SUB50 (28) = yellow-gray
D-SUB50 (29)	D-SUB50 (29) = pink-green
D-SUB50 (30)	D-SUB50 (30) = yellow-pink
D-SUB50 (31)	D-SUB50 (31) = green-blue
D-SUB50 (32)	D-SUB50 (32) = yellow-blue
D-SUB50 (33)	D-SUB50 (33) = green-red
D-SUB50 (34)	D-SUB50 (34) = yellow-red
D-SUB50 (35)	D-SUB50 (35) = green-black
D-SUB50 (36)	D-SUB50 (36) = yellow-black
D-SUB50 (37)	D-SUB50 (37) = gray-blue
D-SUB50 (38)	D-SUB50 (38) = pink-blue
D-SUB50 (39)	D-SUB50 (39) = gray-red

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

Connection data

Connection 1

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

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

General	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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Classifications

ECLASS

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

ETIM

ETIM 9.0	EC000237

UNSPSC

UNSPSC 21.0	26121600

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Environmental product compliance

REACh SVHC	Lead 7439-92-1

China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"