


Cable - CABLE-D37SUB/F/FLK20/4000 - 2909782

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)

Assembled shielded round cable; connection 1: D-SUB socket strip (1x 37-position); connection 2: IDC/FLK socket strip (1x 20-position); cable length: 40 m

Key Commercial Data

Packing unit	1 pc
Minimum order quantity	10 pc
GTIN	 4 055626 380483
GTIN	4055626380483

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	IP00
	≥ IP54 (Installation location)

General

Max. permissible operating voltage	25 V AC
	60 V DC
Max. current carrying capacity per path	1 A
Length of cable	40 m
External cable diameter	7.7 mm ±0.3 mm
Single wire, cross section	0.14 mm ²
Single wire, cross section [AWG]	26
Single wire, number of litz wires	7
Single wire, material	Cu tin-plated
Wire diameter incl. insulation	1 mm ±0.03 mm
Smallest bending radius, fixed installation	100 mm
Smallest bending radius, movable installation	180 mm
Bending cycles	5000 (at a radius of ≥ 18x outside diameter)
Cable, preassembly	Insulation displacement, IEC 60352-4/DIN EN 60352-4

Cable - CABLE-D37SUB/F/FLK20/4000 - 2909782

Technical data

General

Shielding	yes
	Tinned copper-braided shield, approx. 85% covering
Cable insulation resistance	≥ 20 MΩ/km (20 °C)
Cable resistance	≤ 145 Ω/km (at 20 °C)
Outer sheath, material	PVC
External sheath, color	gray RAL 7035
Nominal operating mode	100% operating factor

Connection data

Connection name	Field level
Connection in acc. with standard	IEC 60603-13
Connection method	IDC/FLK socket strip
Number of connections	1
Number of positions	20
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

Connection data 2

Connection name	Controller level
Connection in acc. with standard	DIN 41652/IEC 807-2
Connection method	D-SUB socket strip
Number of connections	1
Number of positions	37
Insertion/withdrawal cycles	> 200

Standards and Regulations

Flame resistance	according to IEC 60332-1
	According to CSA FT1
	in acc. to UL VW1
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	63 V
Rated surge voltage	1.2 kV (1.2/50 μs)
Insulation	Functional insulation
Pollution degree	2
Overvoltage category	II

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years

Cable - CABLE-D37SUB/F/FLK20/4000 - 2909782

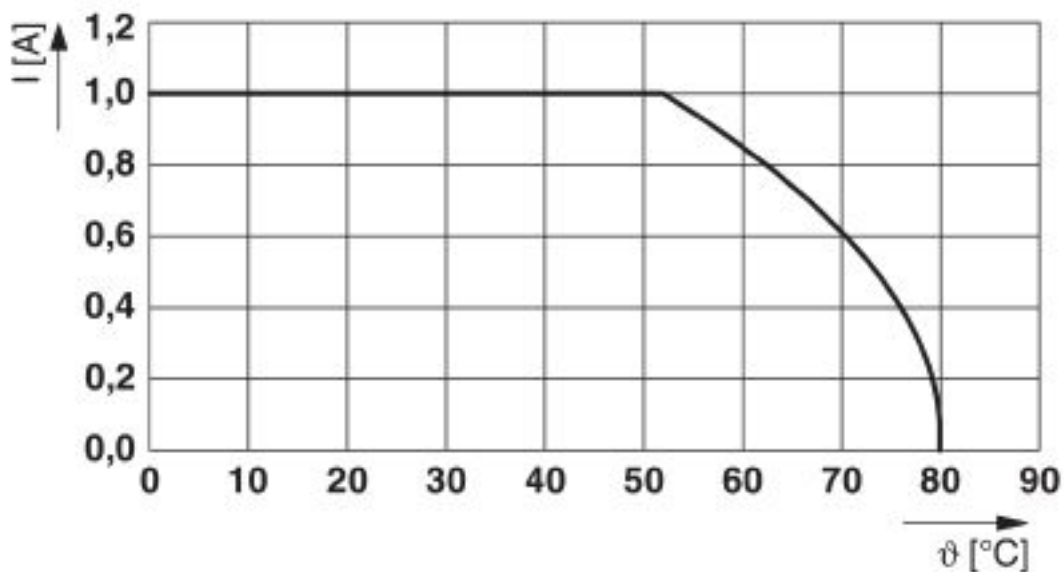
Technical data

Environmental Product Compliance

	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 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

Phoenix Contact 2020 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Phoenix Contact:](#)

[2909782](#)