


## Cable - CABLE-D37SUB/F/2XFLK24/2000/S - 2909779

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Assembled shielded round cable; connection 1: IDC/FLK socket strip (2x 24-position); connection 2: D-SUB socket strip (1x 37-position); cable length: 20 m



### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	10 pc
GTIN	 4 055626 380452
GTIN	4055626380452

### 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	20 m
External cable diameter	9.8 mm ±0.3 mm
Single wire, cross section	0.14 mm <sup>2</sup>
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	101 mm
Smallest bending radius, movable installation	182 mm
Bending cycles	5000 (at a radius of ≥ 18x outside diameter)
Cable, preassembly	Insulation displacement, IEC 60352-4/DIN EN 60352-4

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## Technical data

### General

Shielding	yes
	Tinned copper-braided shield, approx. 85% covering
Cable insulation resistance	$\geq 20 \text{ M}\Omega/\text{km}$ (20 °C)
Cable resistance	$\leq 145 \text{ }\Omega/\text{km}$ (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	DIN 41652/IEC 807-2
Connection method	D-SUB socket strip
Number of connections	1
Number of positions	37
Insertion/withdrawal cycles	> 200

### Connection data 2

Connection name	Controller level
Connection in acc. with standard	IEC 60603-13
Connection method	IDC/FLK socket strip
Number of connections	2
Number of positions	24
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

### 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 $\mu\text{s}$ )
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

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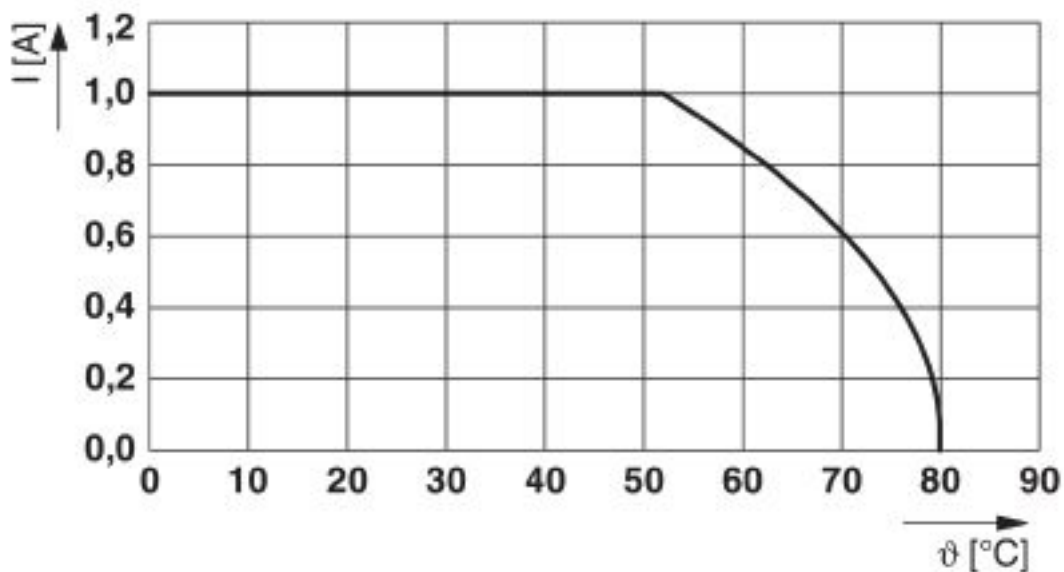
## Technical data

### Environmental Product Compliance

	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"
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## 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 2.0	EC000237
ETIM 3.0	EC000237
ETIM 4.0	EC000237
ETIM 5.0	EC000237
ETIM 6.0	EC000237
ETIM 7.0	EC000237

## Cable - CABLE-D37SUB/F/2XFLK24/2000/S - 2909779

### Approvals

Approvals

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Approvals


EAC

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Ex Approvals

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### Approval details

EAC		RU* DE.HB*35.B00385
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