

# CABLE-FLK20/OE/0,14/ 400 - Cable



2305839

<https://www.phoenixcontact.com/us/products/2305839>

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Round cable set; connection 1: Single wires (20-position) (The wires are marked and fitted with ferrules); connection 2: IDC/FLK socket strip (1x 20-position); cable length: 4 m



## Your advantages

- 20 and 50-pos.
- Connector in accordance with IEC 60603-13
- 1:1 connection
- Open end at one end

## Commercial data

Item number	2305839
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	CK2134
Catalog page	Page 563 (C-5-2019)
GTIN	4046356039161
Weight per piece (including packing)	331 g
Weight per piece (excluding packing)	329.4 g
Customs tariff number	85444290
Country of origin	DE

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## Technical data

### Product properties

Product type	System cable
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### Environmental and real-life conditions

#### Ambient conditions

Degree of protection	IP00
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, 50°C)	≤ 1 A (Uncoiled, see derating)
Current (Per path, 70°C)	≤ 0.6 A (Uncoiled, see derating)

### Cable/line

Cable length	4 m
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#### 20X0.14 [PVC]

UL AWM Style	2464/1061
Number of positions	20
Shielded	no
Cable type	20X0.14 [PVC]
Conductor type	Round cable set
Conductor structure signal line	7x 0.16 mm
AWG signal line	26
Conductor cross section	20x 0.14 mm <sup>2</sup>
Wire diameter incl. insulation	1 mm ±0.03 mm
External cable diameter	7.60 mm ±0.4 mm
Outer sheath, material	Semi-rigid PVC
External sheath, color	gray
Conductor material	Tin-plated Cu litz wires
Cable resistance	≤ 145 Ω/km (20 °C)
Insulation resistance	≥ 20 MΩ*km (20 °C)
Smallest bending radius, fixed installation	64 mm
Smallest bending radius, movable installation	120 mm
Max. bending cycles	5000 (at a radius of ≥ 15x outside diameter)

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Halogen-free	no
Flame resistance	IEC 60332-1-2 (raw cable)
	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)
IDC/FLK20 (1)	() = black
IDC/FLK20 (2)	() = brown
IDC/FLK20 (3)	() = red
IDC/FLK20 (4)	() = orange
IDC/FLK20 (5)	() = yellow
IDC/FLK20 (6)	() = green
IDC/FLK20 (7)	() = blue
IDC/FLK20 (8)	() = violet
IDC/FLK20 (9)	() = gray
IDC/FLK20 (10)	() = white
IDC/FLK20 (11)	() = white-black
IDC/FLK20 (12)	() = white-brown
IDC/FLK20 (13)	() = white-red
IDC/FLK20 (14)	() = white-orange
IDC/FLK20 (15)	() = white-yellow
IDC/FLK20 (16)	() = white-green
IDC/FLK20 (17)	() = white-blue
IDC/FLK20 (18)	() = white-violet
IDC/FLK20 (19)	() = white-gray
IDC/FLK20 (20)	() = brown-black

## Connection data

### Connection 1

Connection method	Single wires
Stripping length (Sheath)	≈  mm
Number of positions	20
Note	The wires are marked and fitted with ferrules

### Connection 2

Connection in acc. with standard	based on 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

## Notes

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## 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
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### UNSPSC

UNSPSC 21.0	26121600
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## Environmental product compliance

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