

# FLK 10/EZ-DR/ 200/KONFEK - Cable



2299233

<https://www.phoenixcontact.com/us/products/2299233>

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 documentation. Our general terms of use for downloads are valid.



Round cable set; connection 1: IDC/FLK socket strip (1x 10-position); connection 2: IDC/FLK socket strip (1x 10-position); cable length: 2 m

## Your advantages

- Unshielded

## Commercial data

Item number	2299233
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C421
Product key	CK2131
Catalog page	Page 566 (C-5-2019)
GTIN	4017918885960
Weight per piece (including packing)	107.3 g
Weight per piece (excluding packing)	105.57 g
Customs tariff number	85444290
Country of origin	DE

## Technical data

### Product properties

Product type	System cable
--------------	--------------

### 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)

#### Supported controller EMERSON DeltaV

Suitable I/O card	VE4002S1T2B4
-------------------	--------------

### Cable/line

Cable length	2 m
--------------	-----

#### 10X0.14 [PVC]

UL AWM Style	2464/1061
Number of positions	10
Shielded	no
Cable type	10X0.14 [PVC]
Conductor type	Round cable set
Conductor structure signal line	7x 0.16 mm
AWG signal line	26
Conductor cross section	10x 0.14 mm <sup>2</sup>
Wire diameter incl. insulation	1 mm ±0.03 mm
External cable diameter	6.10 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	52 mm

# FLK 10/EZ-DR/ 200/KONFEK - Cable



2299233

<https://www.phoenixcontact.com/us/products/2299233>

Smallest bending radius, movable installation	98 mm
Max. bending cycles	5000
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/FLK10 (1)	IDC/FLK10 (1) = black
IDC/FLK10 (2)	IDC/FLK10 (2) = brown
IDC/FLK10 (3)	IDC/FLK10 (3) = red
IDC/FLK10 (4)	IDC/FLK10 (4) = orange
IDC/FLK10 (5)	IDC/FLK10 (5) = yellow
IDC/FLK10 (6)	IDC/FLK10 (6) = green
IDC/FLK10 (7)	IDC/FLK10 (7) = blue
IDC/FLK10 (8)	IDC/FLK10 (8) = violet
IDC/FLK10 (9)	IDC/FLK10 (9) = gray
IDC/FLK10 (10)	IDC/FLK10 (10) = white

## Connection data

### Connection 1

Connection in acc. with standard	based on IEC 60603-13
Connection method	IDC/FLK socket strip
Number of connections	1
Number of positions	10
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

### 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	10
Insertion/withdrawal cycles	> 50
Pitch	2.54 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.
---------	--

# FLK 10/EZ-DR/ 200/KONFEK - Cable



2299233

<https://www.phoenixcontact.com/us/products/2299233>

## Classifications

### ECLASS

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

### ETIM

ETIM 9.0	EC000237
----------	----------

### UNSPSC

UNSPSC 21.0	26121600
-------------	----------

# FLK 10/EZ-DR/ 200/KONFEK - Cable



2299233

<https://www.phoenixcontact.com/us/products/2299233>

## Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Phoenix Contact 2024 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)