

FLK 20/2FLK14/EZ-DR/200/KONFEK - Cable



2298438

<https://www.phoenixcontact.com/us/products/2298438>

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 20-position); connection 2: IDC/FLK socket strip (2x 14-position); cable length: 2 m

Your advantages

- The DeltaV system can be used to install the process wiring via "mass termination blocks" (MTBs) using flat-ribbon cable plugs
- The 16 digital signals are split into 2x 8 signals on the field side
- IDC/FLK connector: 20-pos. to two 14-pos. (in accordance with IEC 60603-13)
- Suitable for connecting 16-channel digital cards, e.g., SIMATIC® ET 200SP
- For digital modules with 40-pos. MTB for connection to PLC-INTERFACE

Commercial data

Item number	2298438
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C421
Product key	DK2215
GTIN	4017918601911
Weight per piece (including packing)	176 g
Weight per piece (excluding packing)	168 g
Customs tariff number	85444290
Country of origin	DE

2298438

<https://www.phoenixcontact.com/us/products/2298438>

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) (fixed installation)	-40 °C ... 70 °C (fixed installation)
Ambient temperature (operation) (flexible 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	VE4001S2T2B5
	VE4002S1T2B6

Supported controller: SIEMENS ET 200SP

Suitable base unit	6ES7193-6BP00-0BA0
	6ES7193-6BP00-2BA0
	6ES7193-6BP00-0BA1
	6ES7193-6BP00-0DA0
	6ES7193-6BP00-2DA0
	6ES7193-6BP00-0DA1
Suitable I/O module	6ES7131-6BH01-0BA0 (Base Units A0/A1)
	6ES7131-6BH01-2BA0 (Base Units A0/A1)
	6ES7132-6BH01-0BA0 (Base Units A0/A1)
	6ES7132-6BH01-2BA0 (Base Units A0/A1)

Cable/line

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

20X0.14 [PVC]

UL AWM Style	2464/1061
Number of positions	20
Shielded	no

FLK 20/2FLK14/EZ-DR/200/KONFEK - Cable



2298438

<https://www.phoenixcontact.com/us/products/2298438>

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 ²
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
Dynamic load capacity (bending)	Max. bending cycles: 5000 (at a radius of ≥ 15x outside diameter)
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)
Cable type	Splitting cable for two modules

Color code: Single-core wire

black	IDC/FLK20 (1) = IDC/FLK14-1 (1)
brown	IDC/FLK20 (2) = IDC/FLK14-1 (2)
red	IDC/FLK20 (3) = IDC/FLK14-1 (3)
orange	IDC/FLK20 (4) = IDC/FLK14-1 (4)
yellow	IDC/FLK20 (5) = IDC/FLK14-1 (5)
green	IDC/FLK20 (6) = IDC/FLK14-1 (6)
blue	IDC/FLK20 (7) = IDC/FLK14-1 (7)
violet	IDC/FLK20 (8) = IDC/FLK14-1 (8)
gray	IDC/FLK20 (9) = IDC/FLK14-2 (1)
white	IDC/FLK20 (10) = IDC/FLK14-2 (2)
white-black	IDC/FLK20 (11) = IDC/FLK14-2 (3)
white-brown	IDC/FLK20 (12) = IDC/FLK14-2 (4)
white-red	IDC/FLK20 (13) = IDC/FLK14-2 (5)
white-orange	IDC/FLK20 (14) = IDC/FLK14-2 (6)
white-yellow	IDC/FLK20 (15) = IDC/FLK14-2 (7)
white-green	IDC/FLK20 (16) = IDC/FLK14-2 (8)
white-blue	IDC/FLK20 (17) = IDC/FLK14-2 (9)
white-violet	IDC/FLK20 (18) = IDC/FLK14-2 (10)

FLK 20/2FLK14/EZ-DR/200/KONFEK - Cable



2298438

<https://www.phoenixcontact.com/us/products/2298438>

white-gray	IDC/FLK20 (19) = IDC/FLK14-1 (9)
brown-black	IDC/FLK20 (20) = IDC/FLK14-1 (10)

Connection data

Connection 1

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

Connection 2

Connection in acc. with standard	IEC 60603-13 (in compliance)
Connection method	IDC/FLK socket strip
Number of connections	2
Number of positions	14
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

Notes

Notes on operation	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.
--------------------	--

Drawings

Diagram



Maximum permissible current per path in uncoiled state

FLK 20/2FLK14/EZ-DR/200/KONFEK - Cable



2298438

<https://www.phoenixcontact.com/us/products/2298438>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2298438>



EAC

Approval ID: RU*-DE.HB*35.B00385



UL Listed

Approval ID: E238705

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	125 V	1 A	-	-



cUL Listed

Approval ID: E238705

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	125 V	1 A	-	-

2298438

<https://www.phoenixcontact.com/us/products/2298438>

Classifications

ECLASS

ECLASS-13.0	27242220
ECLASS-15.0	27242220

ETIM

ETIM 10.0	EC000237
-----------	----------

UNSPSC

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

FLK 20/2FLK14/EZ-DR/200/KONFEK - Cable



2298438

<https://www.phoenixcontact.com/us/products/2298438>

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - 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