

FLK 14/EZ-DR/HF/ 800/KONFEK - Cable



2314024

<https://www.phoenixcontact.com/us/products/2314024>

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.



Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 8 m

Commercial data

Item number	2314024
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	DK2217
GTIN	4046356091534
Weight per piece (including packing)	398.7 g
Weight per piece (excluding packing)	398.7 g
Customs tariff number	85444290
Country of origin	DE

Technical data

Product properties

Product type	System cable
Insulation characteristics	
Insulation	Functional insulation
Overvoltage category	II
Pollution degree	2

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)	≤ 25 V AC
Operating voltage (DC)	≤ 60 V DC
Nominal operating mode	100% operating factor
Current (Per path, 50°C)	≤ 1 A
Current (Per path, 70°C)	≤ 0.6 A
Rated insulation voltage	63 V
Rated surge voltage	0.6 kV

Supported controller SIEMENS S7-1500

Suitable I/O card	6ES7521-1BH00-0AB0
	6ES7521-1BH10-0AA0
	6ES7521-1BH50-0AA0
	6ES7521-1BL00-0AB0
	6ES7522-1BH00-0AB0
	6ES7522-1BH01-0AB0
	6ES7522-1BH10-0AA0
	6ES7522-1BL00-0AB0
	6ES7522-1BL01-0AB0
	6ES7531-7KF00-0AB0
	6ES7531-7LH00-0AB0
	6ES7531-7MH00-0AB0
	6ES7531-7NF00-0AB0
	6ES7531-7NF10-0AB0
	6ES7531-7PF00-0AB0

FLK 14/EZ-DR/HF/ 800/KONFEK - Cable



2314024

<https://www.phoenixcontact.com/us/products/2314024>

	6ES7532-5HF00-0AB0
	6ES7532-5HD00-0AB0
	6ES7532-5ND00-0AB0

Supported controller SIEMENS S7-300 / ET 200 M

Suitable I/O card	CPU 312C
	CPU 313C
	CPU 313C-2DP
	CPU 313C-2PtP
	CPU 314C-2DP
	CPU 314C-2PtP
	6ES7321-1BH02-0AA0
	6ES7321-1BH10-0AA0
	6ES7321-1BH50-0AA0
	6ES7321-1BL00-0AA0
	6ES7321-7BH01-0AB0
	6ES7322-1BH01-0AA0
	6ES7322-1BH10-0AA0
	6ES7322-1BL00-0AA0
	6ES7322-8BF00-0AB0
	6ES7322-8BH01-0AB0
	6ES7323-1BH01-0AA0
	6ES7323-1BL00-0AA0
	6ES7331-7HF01-0AB0
	6ES7331-7KB02-0AB0
	6ES7331-7KF02-0AB0
	6ES7331-7NF00-0AB0
	6ES7331-7PF01-0AB0
	6ES7331-7PF11-0AB0
	6ES7332-5HD01-0AB0
	6ES7332-5HB01-0AB0
	6ES7332-7ND02-0AB0
	6ES7332-8TF01-0AB0
	6ES7334-0CE01-0AA0
	6ES7334-0KE00-0AB0
	6ES7335-7HG01-0AB0
	6ES7336-4GE00-0AB0
	6ES7338-4BC01-0AB0
	6ES7350-1AH03-0AE0
	6ES7350-2AH01-0AE0
	6ES7351-1AH01-0AE0
	6ES7352-1AH02-0AE0
	6ES7353-1AH01-0AE0
	6ES7354-1AH01-0AE0

FLK 14/EZ-DR/HF/ 800/KONFEK - Cable



2314024

<https://www.phoenixcontact.com/us/products/2314024>

	6ES7355-0VH10-0AE0
	6ES7355-1VH10-0AE0
	6ES7357-4AH01-0AE0

Supported controller ALLEN-BRADLEY ControlLogix

Suitable I/O card	1756-IN16
	1756-IA8D
	1756-IA16
	1756-IB16
	1756-IC16
	1756-OB16E
	1756-IR6I
	1756-IT6I
	1756-OF4
	1756-OF6CI
	1756-OF8
	1756-PLS

Supported controller HONEYWELL Experion PKS C200

Suitable I/O card	TC-IDX 081
	TC-IDA 161
	TC-IAH 061
	TC-IXR 061
	TC-IXL 061
	TC-OAH 061
	TC-OAV 061
	TC-OAV 081

Supported controller SCHNEIDER ELECTRIC Modicon TSX QUANTUM

Suitable I/O card	DDI 353
	DDI 853
	DAI 453
	DDO 353

Cable/line

Cable length	8 m
UL AWM Style	21946
Number of positions	14
Shielded	no
Conductor type	Assembled, halogen-free round cable
Conductor structure signal line	7x 0.16 mm
AWG signal line	26
Conductor cross section	14x 0.14 mm ²
Wire diameter incl. insulation	1 mm ±0.03 mm
External cable diameter	5.80 mm ±0.4 mm

FLK 14/EZ-DR/HF/ 800/KONFEK - Cable



2314024

<https://www.phoenixcontact.com/us/products/2314024>

Outer sheath, material	halogen-free (type 2)
External sheath, color	gray
Conductor material	Tin-plated Cu litz wires
Cable resistance	$\leq 145 \Omega/\text{km}$ (20 °C)
Insulation resistance	$\geq 20 \text{ M}\Omega \cdot \text{km}$ (20 °C)
Smallest bending radius, fixed installation	50 mm
Smallest bending radius, movable installation	93 mm
Dynamic load capacity (bending)	Max. bending cycles: 5000 (at a radius of $\geq 15 \times$ outside diameter)
Halogen-free	yes
Flame resistance	IEC 60332-1-2 (raw cable)
	VDE 0842, Part 332-1-2 (raw cable)
	IEC 60332-3-22 (raw cable)
Resistance to oil	can withstand occasional splashes (raw cable)
Cable type	Cable for one module

Color code: Single-core wire

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

Connection data

Field level

Connection in acc. with standard	IEC 60603-13
Connection method	IDC/FLK socket strip
Number of connections	1
Number of positions	14
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

Controller level

Connection in acc. with standard	IEC 60603-13
Connection method	IDC/FLK socket strip
Number of connections	1

FLK 14/EZ-DR/HF/ 800/KONFEK - Cable



2314024

<https://www.phoenixcontact.com/us/products/2314024>

Number of positions	14
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

Standards and regulations

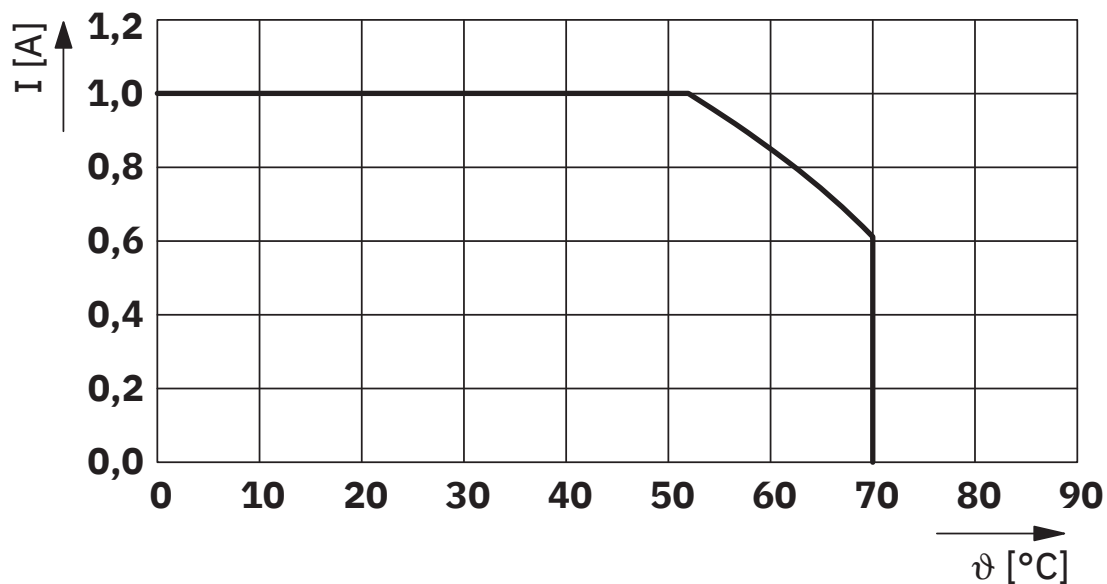
Standards/regulations	DIN EN 50178
-----------------------	--------------

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.
Material information	Only the cable is halogen-free for this product.

Drawings

Diagram



Maximum permissible current per path in uncoiled state

FLK 14/EZ-DR/HF/ 800/KONFEK - Cable



2314024

<https://www.phoenixcontact.com/us/products/2314024>

Classifications

UNSPSC

UNSPSC 21.0	26121620
-------------	----------

FLK 14/EZ-DR/HF/ 800/KONFEK - Cable



2314024

<https://www.phoenixcontact.com/us/products/2314024>

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 2025 © - 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