

## Cable - FLK 14/EZ-DR/ 300/KONFEK - 2288956

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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Round cable set; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 3 m



COMPLIANT

### Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4017918057343

### 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 (50 °C)
	0.6 A (70 °C)
Length of cable	3 m
External cable diameter	6.4 mm ±0.4 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

# Cable - FLK 14/EZ-DR/ 300/KONFEK - 2288956

## Technical data

### General

Wire diameter incl. insulation	1 mm ±0.03 mm
Smallest bending radius, fixed installation	55 mm
Smallest bending radius, movable installation	104 mm
Bending cycles	5000 (at a radius of ≥ 15x outside diameter)
Cable, preassembly	Insulation displacement, IEC 60352-4/DIN EN 60352-4
Shielding	no
Cable insulation resistance	≥ 20 MΩ/km (20 °C)
Cable resistance	≤ 145 Ω/km (20 °C)
Outer sheath, material	Semi-rigid PVC
External sheath, color	gray
Degree of protection	IP00
	≥ IP54 (Installation location)
Nominal operating mode	100% operating factor

### Connection data

Connection name	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

### Connection data 2

Connection name	Controller 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

### Standards and Regulations

Flame resistance	UL VW-1
	CSA FT-1
	IEC 60332-1-2
	VDE 0842, Part 332-1-2
	IEC 60332-3-22
Resistance to oil	against occasional splashes
Gasoline resistance	against occasional splashes
Connection in acc. with standard	CUL
Designation	Air clearances and creepage distances

# Cable - FLK 14/EZ-DR/ 300/KONFEK - 2288956

## Technical data

### Standards and Regulations

Standards/regulations	DIN EN 50178
Rated insulation voltage	63 V
Rated surge voltage	0.6 kV
Insulation	Functional insulation
Degree of pollution	2
Overvoltage category	II

### Supported controller

Controller	SIEMENS S7-1500
- suitable I/O card	6ES7 521-1BH00-0AB0
	6ES7 521-1BH50-0AA0
	6ES7 521-1BL00-0AB0
	6ES7 522-1BH00-0AB0
	6ES7 522-1BH01-0AB0
	6ES7 522-1BL00-0AB0
	6ES7 522-1BL01-0AB0
	6ES7 531-7KF00-0AB0
	6ES7 531-7NF00-0AB0
	6ES7 531-7NF10-0AB0
	6ES7 531-7PF00-0AB0
	6ES7 532-5HF00-0AB0
	6ES7 532-5HD00-0AB0
	6ES7 532-5ND00-0AB0
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
	6ES7 321-1BH02-0AA0
	6ES7 321-1BH10-0AA0
	6ES7 321-1BH50-0AA0
	6ES7 321-1BL00-0AA0
	6ES7 321-7BH01-0AB0
	6ES7 322-1BH01-0AA0
	6ES7 322-1BH10-0AA0
	6ES7 322-1BL00-0AA0
	6ES7 322-8BF00-0AB0
	6ES7 322-8BH01-0AB0
	6ES7 323-1BH01-0AA0

## Cable - FLK 14/EZ-DR/ 300/KONFEK - 2288956

### Technical data

#### Supported controller

	6ES7 323-1BL00-0AA0
	6ES7 331-7HF01-0AB0
	6ES7 331-7KB02-0AB0
	6ES7 331-7KF02-0AB0
	6ES7 331-7NF00-0AB0
	6ES7 331-7PF01-0AB0
	6ES7 331-7PF11-0AB0
	6ES7 332-5HD01-0AB0
	6ES7 332-5HB01-0AB0
	6ES7 332-7ND02-0AB0
	6ES7 332-8TF01-0AB0
	6ES7 334-0CE01-0AA0
	6ES7 334-0KE00-0AB0
	6ES7 335-7HG01-0AB0
	6ES7 336-4GE00-0AB0
	6ES7 338-4BC01-0AB0
	6ES7 350-1AH03-0AE0
	6ES7 350-2AH01-0AE0
	6ES7 351-1AH01-0AE0
	6ES7 352-1AH02-0AE0
	6ES7 353-1AH01-0AE0
	6ES7 354-1AH01-0AE0
	6ES7 355-0VH10-0AE0
	6ES7 355-1VH10-0AE0
	6ES7 357-4AH01-0AE0
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
Controller	HONEYWELL Experion PKS C200
- suitable I/O card	TC-IDX 081

# Cable - FLK 14/EZ-DR/ 300/KONFEK - 2288956

## Technical data

### Supported controller

	TC-IDA 161
	TC-IAH 061
	TC-IXR 061
	TC-IXL 061
	TC-OAH 061
	TC-OAV 061
	TC-OAV 081
Controller	Schneider Electric Modicon TSX QUANTUM
- suitable I/O card	DDI 353
	DDI 853
	DAI 453
	DDO 353

### Color code

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

### Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Approvals

### Approvals

### Approvals

UL Listed / cUL Listed / EAC / cULus Listed

# Cable - FLK 14/EZ-DR/ 300/KONFEK - 2288956

## Approvals

Ex Approvals

### Approval details

UL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 238705
Nominal voltage UN		125 V	
Nominal current IN		1 A	

cUL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 238705
Nominal voltage UN		125 V	
Nominal current IN		1 A	

EAC		RU C- DE.A*30.B00767
-----	--	-------------------------

cULus Listed	
--------------	--

Phoenix Contact 2019 © - all rights reserved  
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>