CABLE-FLK16/OE/0,14/... - Cable

2318224

https://www.phoenixcontact.com/us/products/2318224

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Round cable set; connection 1: Single wires (16-position) (The wires are marked and fitted with ferrules); connection 2: IDC/FLK socket strip (1x 16-position); cable length: variable

Your advantages

- Connector in accordance with IEC 60603-13
- Open end at one end
- 1:1 connection

Commercial data

Item number	2318224
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C492
Product key	DK2213
GTIN	4046356435383
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) (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)

Cable/line

Cable length	variable

16X0.14 [PVC]

UL AWM Style	2464/1061
Number of positions	16
Shielded	no
Cable type	16X0.14 [PVC]
Conductor type	Round cable set
Conductor structure signal line	7x 0.16 mm
AWG signal line	26
Conductor cross-section	16x 0.14 mm²
Wire diameter incl. insulation	1 mm ±0.03 mm
External cable diameter	6.80 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	58 mm
Smallest bending radius, movable installation	108 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	Cable for one module

Color code: Single-core wire

black	IDC/FLK16 (1) = ()
brown	IDC/FLK16 (2) = ()
red	IDC/FLK16 (3) = ()
orange	IDC/FLK16 (4) = ()
yellow	IDC/FLK16 (5) = ()
green	IDC/FLK16 (6) = ()
blue	IDC/FLK16 (7) = ()
violet	IDC/FLK16 (8) = ()
gray	IDC/FLK16 (9) = ()
white	IDC/FLK16 (10) = ()
white-black	IDC/FLK16 (11) = ()
white-brown	IDC/FLK16 (12) = ()
white-red	IDC/FLK16 (13) = ()
white-orange	IDC/FLK16 (14) = ()
white-yellow	IDC/FLK16 (15) = ()
white-green	IDC/FLK16 (16) = ()

Connection data

Connection 1

Connection method	Single wires
Stripping length (Sheath)	≈ mm
Number of positions	16
Note	The wires are marked and fitted with ferrules

Connection 2

Connection in acc. with standard	IEC 60603-13 (in compliance)
Connection method	IDC/FLK socket strip
Number of connections	1
Number of positions	16
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

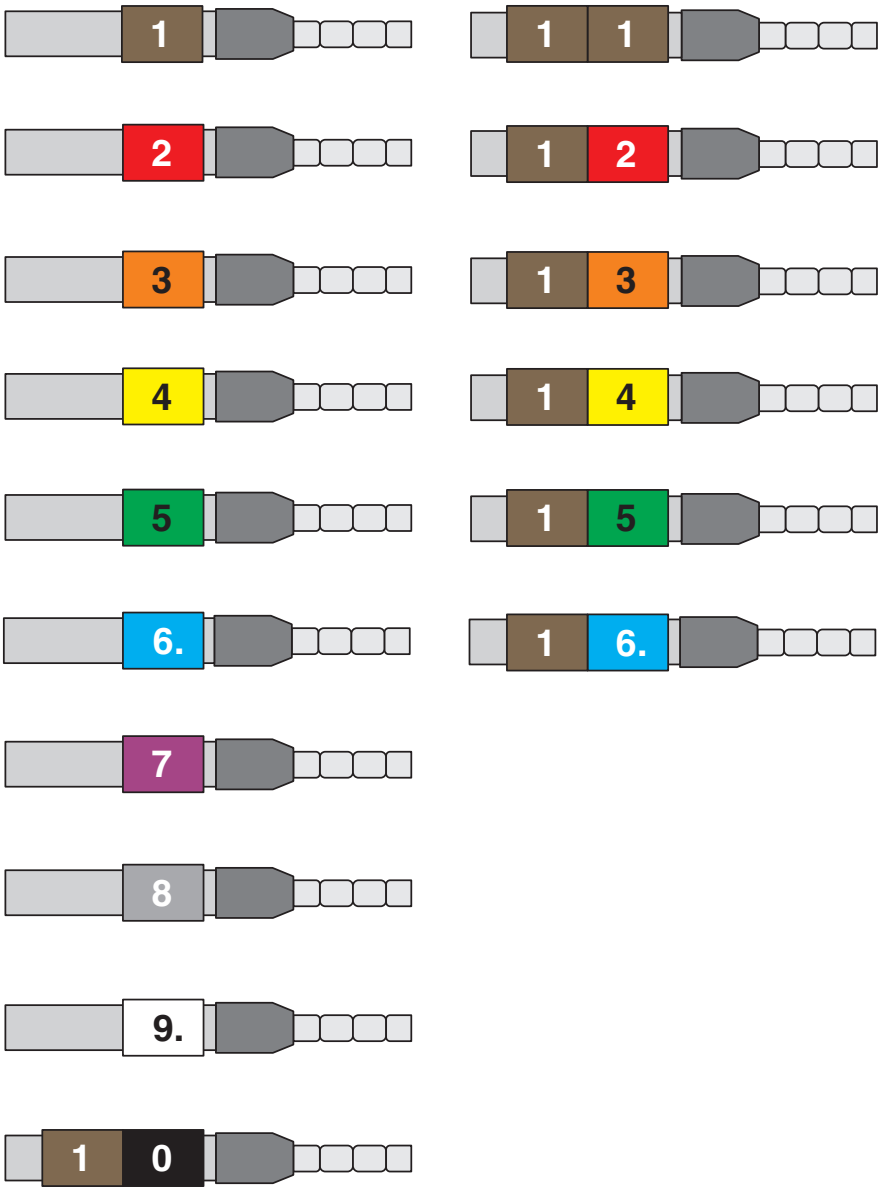
Notes

Notes on operation	For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-

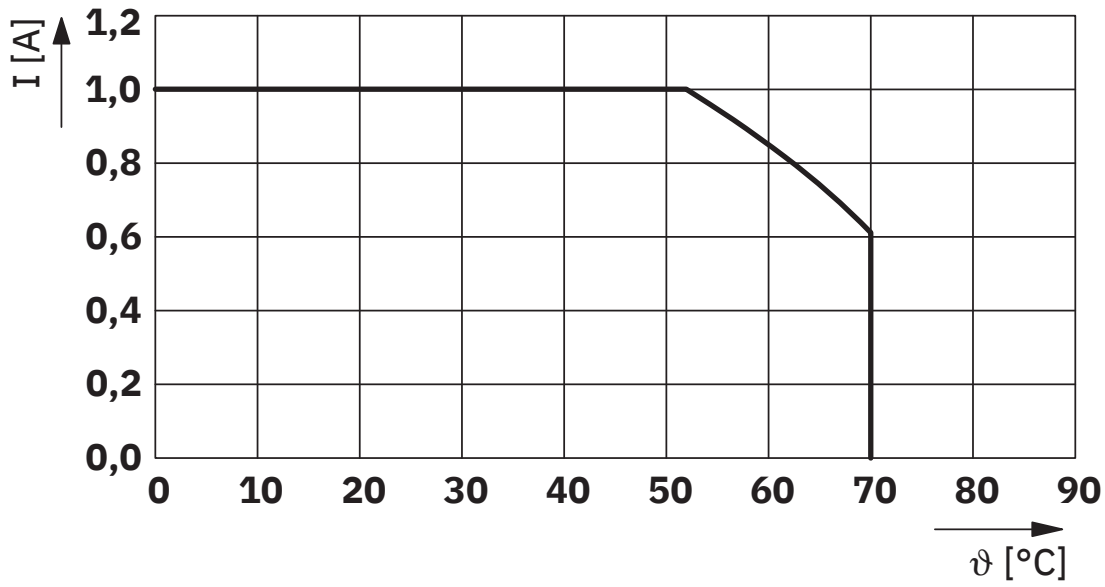
	party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met.

Drawings

Schematic diagram



Diagram



Maximum permissible current per path in uncoiled state

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2318224

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	-	-

Classifications

ECLASS

ECLASS-13.0	27242220
ECLASS-15.0	27242220

ETIM

ETIM 10.0	EC000237

UNSPSC

UNSPSC 21.0	26121600

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%

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