

CABLE-FLK20/OE/S/15,0M/SC078 - Cable

2909911

<https://www.phoenixcontact.com/us/products/2909911>



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Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 20-position); connection 2: Single wires (20-position) (The wires are marked and fitted with ferrules); cable length: 15 m



Your advantages

- 20-pos.
- Open end at one end

Commercial data

Item number	2909911
Packing unit	1 pc
Minimum order quantity	50 pc
Note	Made to order (non-returnable)
Product key	DK2AG4
GTIN	4055626408682
Weight per piece (including packing)	1,411.8 g
Weight per piece (excluding packing)	1,411.8 g
Country of origin	DE

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Technical data

Product properties

Product type	System cable
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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	15 m
UL AWM Style	2464/1061
Number of positions	20
Shielded	yes
Conductor type	Assembled shielded round cable
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	7.70 mm ±0.3 mm
Outer sheath, material	Semi-rigid PVC
External sheath, color	gray
Conductor material	Tin-plated Cu litz wires
Cable resistance	≤ 145 Ω/km (at 20 °C)
Insulation resistance	≥ 20 MΩ*km (20 °C)
Smallest bending radius, fixed installation	80 mm
Smallest bending radius, movable installation	144 mm
Dynamic load capacity (bending)	Max. bending cycles: 5000 (at a radius of ≥ 18x outside diameter)
Halogen-free	no

IEC 60332-1-2 (raw cable)

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Flame resistance	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

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

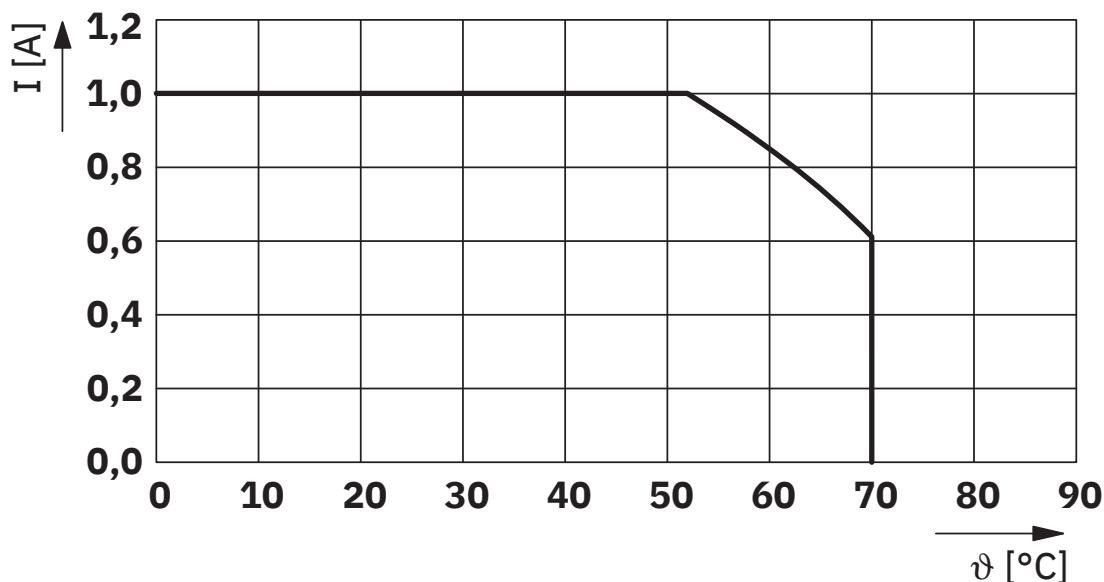
Connection method	Single wires
Stripping length (Sheath)	≈ 7 mm
Number of positions	20
Note	The wires are marked and fitted with ferrules

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.
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Drawings

Diagram



Maximum permissible current per path in uncoiled state

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Classifications

ETIM

ETIM 8.0

EC000237

UNSPSC

UNSPSC 21.0

26121600

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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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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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