

CABLE-FLK40/2FLK40/S/1500/RS - Cable



2903427

<https://www.phoenixcontact.com/us/products/2903427>

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Assembled, shielded round cable with one 40-pos. molded socket strip (180°) and two 40-pos. socket strips that are not molded (1:1 connection). Cable length: 15 m

Commercial data

Item number	2903427
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DK2AGN
GTIN	4046356737739
Weight per piece (including packing)	2,275.9 g
Weight per piece (excluding packing)	2,270 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

Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

Electrical properties

Operating voltage (DC)	≤ 24 V DC
Current (Per path)	≤ 0.5 A

Cable/line

Cable length	15 m
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40X0.14 [PVC]

UL AWM Style	2464/1061
Number of positions	40
Shielded	yes
Cable type	40X0.14 [PVC]
Conductor type	Assembled shielded round cable
Conductor structure signal line	7x 0.16 mm
AWG signal line	26
Conductor cross section	40x 0.14 mm ²
Wire diameter incl. insulation	1 mm ±0.03 mm
External cable diameter	9.80 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	101 mm
Smallest bending radius, movable installation	182 mm
Dynamic load capacity (bending)	Max. bending cycles: 5000 (at a radius of ≥ 18x 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)

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Cable type	Splitting cable for two modules
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Connection data

Field level

Connection method	IDC/FLK socket strip
Number of connections	2
Number of positions	40
Pitch	2.54 mm

Controller level

Connection method	IDC/FLK socket strip
Number of connections	1
Number of positions	40
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.
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Environmental product compliance

China RoHS	
Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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