

CABLE-KS50/KS50/20M/YUC/CS - Cable



2904421

<https://www.phoenixcontact.com/us/products/2904421>

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Assembled round cable with two molded 50-pos. socket strips (1:1 connection). Cable length: 20.0 m

Commercial data

Item number	2904421
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	DK2CZZ
GTIN	4046356922388
Weight per piece (including packing)	3,993 g
Weight per piece (excluding packing)	3,990 g
Customs tariff number	85444290
Country of origin	CN

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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)	≤ 30 V DC
Current (Per path)	≤ 500 mA (up to 70°C ambient temperature)

Supported controller: YOKOGAWA CS3000 CentumVP

Suitable I/O card	AAR145
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Cable/line

Cable length	20 m
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50X0.14 [PVC]

UL AWM Style	2464/1061
Number of positions	50
Shielded	yes
Cable type	50X0.14 [PVC]
Conductor type	Assembled shielded round cable
Conductor structure signal line	7x 0.16 mm
AWG signal line	26
Conductor cross-section	50x 0.14 mm ²
Wire diameter incl. insulation	1 mm ±0.03 mm
External cable diameter	11.00 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	114 mm
Smallest bending radius, movable installation	205 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)

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	UL VW-1
	CSA FT-1
Resistance to oil	can withstand occasional splashes (raw cable)

Connection data

Field level

Connection method	Yokogawa, KS compatible
Number of connections	1
Number of positions	50
Tightening torque	0.5 Nm (Screw connection)

Controller level

Connection method	Yokogawa, I/O cards compatible
Number of connections	1
Number of positions	50
Tightening torque	0.5 Nm (Screw connection)

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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Classifications

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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