

CABLE-KS50/KS50/18M/YUC/CS - Cable



2904419

<https://www.phoenixcontact.com/us/products/2904419>

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 documentation. Our general terms of use for downloads are valid.



Assembled round cable with two molded 50-pos. socket strips (1:1 connection). Cable length: 18.0 m

Commercial data

Item number	2904419
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	DK2CZZ
GTIN	4055626061894
Weight per piece (including packing)	855 g
Weight per piece (excluding packing)	855 g
Customs tariff number	85444290
Country of origin	CN

CABLE-KS50/KS50/18M/YUC/CS - Cable



2904419

<https://www.phoenixcontact.com/us/products/2904419>

Technical data

Product properties

Product type	System cable
--------------	--------------

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
-------------------	--------

Cable/line

Cable length	18 m
--------------	------

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)

CABLE-KS50/KS50/18M/YUC/CS - Cable



2904419

<https://www.phoenixcontact.com/us/products/2904419>

	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.
--------------------	--

CABLE-KS50/KS50/18M/YUC/CS - Cable



2904419

<https://www.phoenixcontact.com/us/products/2904419>

Classifications

ETIM

ETIM 8.0	EC000237
----------	----------

UNSPSC

UNSPSC 21.0	26121600
-------------	----------

CABLE-KS50/KS50/18M/YUC/CS - Cable



2904419
<https://www.phoenixcontact.com/us/products/2904419>

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%

Phoenix Contact 2025 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com