

SAC-4P- 5,0-950/M 8FS - Bus system cable



1543304

<https://www.phoenixcontact.com/us/products/1543304>

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.



Bus system cable, INTERBUS, 4-position, PUR halogen-free, black RAL 9005, shielded (Tinned copper braided shield), free cable end, on Socket straight M8, coding: A, cable length: 5 m

Your advantages

- Power cable for actuator voltage
- System cable for supply voltage and bus signal

Commercial data

Item number	1543304
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF02
Product key	BF1BJB
Catalog page	Page 200 (C-6-2019)
GTIN	4046356097468
Weight per piece (including packing)	220.5 g
Weight per piece (excluding packing)	210.4 g
Customs tariff number	85444290
Country of origin	PL

SAC-4P- 5,0-950/M 8FS - Bus system cable



1543304

<https://www.phoenixcontact.com/us/products/1543304>

Technical data

Product properties

Product type	Data cable preassembled
Sensor type	INTERBUS
Number of positions	4
Application	Standard
No. of cable outlets	1
Shielded	yes
Coding	A

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Interfaces

Bus system	INTERBUS
Signal type/category	INTERBUS

Signaling

Status display	No
Status display present	No

Electrical properties

Insulation resistance	≥ 100 MΩ
Nominal voltage U_N	48 V AC
	60 V DC
Nominal current I_N	4 A
Test voltage	800 V
Transmission medium	Copper

Material specifications

Flammability rating according to UL 94	HB
Seal material	NBR
Material of grip body	TPU, hardly inflammable, self-extinguishing
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material for screw connection	Zinc die-cast, nickel-plated

Connection data

Pin assignment

Contact Color (signal designation) Contact (optional)	1 (Socket) RD (0.34 mm ²)
	3 (Socket) BU (0.34 mm ²)

SAC-4P- 5,0-950/M 8FS - Bus system cable



1543304

<https://www.phoenixcontact.com/us/products/1543304>

	2 (Socket) YE (0.14 mm ²)
	4 (Socket) GN (0.14 mm ²)

Connector

Connection 1

Type	free cable end
------	----------------

Connection 2

Type	Socket straight M8
Number of positions	4
Coding type	A (Standard)

Cable/line

Cable length	5 m
--------------	-----

INTERBUS [950]

Cable weight	41 kg/km
UL AWM Style	20963 (80°C/30 V)
Number of positions	4
Shielded	yes
Cable type	INTERBUS [950]
Conductor structure	2xAWG26/19+2xAWG22/19
Conductor structure signal line	19x 0.10 mm
AWG signal line	26
Conductor cross section	2x 0.14 mm ² (Signal line) 2x 0.34 mm ² (Power supply) 1x 0.38 mm ² (Drain wire)
Wire diameter incl. insulation	0.97 mm (Signal line) 1.25 mm (Power supply)
External cable diameter	5.20 mm ±0.2 mm
Outer sheath, material	PUR
External sheath, color	black RAL 9005
Conductor material	Tin-plated Cu litz wires
Material wire insulation	PP
Single wire, color	red-blue, green-yellow
Thickness, insulation	0.24 mm (Conductor insulation, signal line) 0.25 mm (Conductor insulation, voltage supply)
Thickness, outer sheath	approx. 0.75 mm
Twisted pairs	2 cores to the pair
Type of pair shielding	Aluminum-lined polyester foil
Overall twist	2 pairs around a drain wire in the center to the core
Optical shield covering	85 %
Max. conductor resistance	≤ 150 Ω/km (Signal line) ≤ 58 Ω/km (Power supply)
Insulation resistance	≥ 20 MΩ*km

SAC-4P- 5,0-950/M 8FS - Bus system cable



1543304

<https://www.phoenixcontact.com/us/products/1543304>

Wave impedance	75 Ω \pm 10 Ω (Signal line)
	55 Ω \pm 10 Ω (Power supply)
Nominal voltage, cable	\leq 100 V
Test voltage Core/Core	1000 V (50 Hz, 1 min.)
Test voltage Core/Shield	1000.00 V (50 Hz, 1 min.)
Minimum bending radius, fixed installation	5 x D
Minimum bending radius, flexible installation	7.5 x D
Smallest bending radius, fixed installation	26 mm
Smallest bending radius, movable installation	39 mm
Max. bending cycles	1000000
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-40 °C ... 80 °C (Cable, flexible installation)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65
	IP67
Ambient temperature (operation)	-25 °C ... 90 °C (Plug / socket)

SAC-4P- 5,0-950/M 8FS - Bus system cable



1543304

<https://www.phoenixcontact.com/us/products/1543304>

Classifications

ECLASS

ECLASS-11.0	27060307
ECLASS-12.0	27060307
ECLASS-13.0	27060307

ETIM

ETIM 9.0	EC001855
----------	----------

UNSPSC

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

SAC-4P- 5,0-950/M 8FS - Bus system cable



1543304

<https://www.phoenixcontact.com/us/products/1543304>

Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Phoenix Contact 2024 © - 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