

SAC-5P-10,0-927/M12FS VA - Bus system cable



1402958

<https://www.phoenixcontact.com/us/products/1402958>

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, CANopen®, DeviceNet™, 5-position, PVC, black, shielded, free cable end, on Socket straight M12, coding: A, cable length: 10 m

As in the figure, but with a black cable

Commercial data

Item number	1402958
Packing unit	1 pc
Minimum order quantity	50 pc
Sales key	BF04
Product key	AF1CDD
GTIN	4046356637473
Weight per piece (including packing)	946.8 g
Weight per piece (excluding packing)	879 g
Customs tariff number	85444290
Country of origin	PL

1402958

<https://www.phoenixcontact.com/us/products/1402958>

Technical data

Product properties

Product type	Data cable preassembled
Number of positions	5
No. of cable outlets	1
Coding	A

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Interfaces

Bus system	CANopen®/DeviceNet™
Signal type/category	CANopen® DeviceNet™

Electrical properties

Insulation resistance	≥ 100 MΩ
Nominal voltage U _N	48 V AC 60 V DC
Nominal current I _N	4 A

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 100
-----------------------------	-------

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	Stainless steel

Connector

Connection 1

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

Connection 2

Type	Socket straight M12
Number of positions	5
Coding type	A (Standard)

SAC-5P-10,0-927/M12FS VA - Bus system cable



1402958

<https://www.phoenixcontact.com/us/products/1402958>

Cable/line

Cable length	10 m
CANopen®/DeviceNet™, PVC, black [927]	
Cable weight	83 kg/km
UL AWM Style	2464 (80°C/300 V)
Number of positions	4
Shielded	yes
Cable type	CANopen®/DeviceNet™, PVC, black [927]
Signal runtime	4.46 ns/m
Conductor structure signal line	44x 0.10 mm
AWG signal line	22
Conductor structure, voltage supply	44x 0.10 mm
AWG power supply	22
Conductor cross-section	2x 0.34 mm ² (Signal line) 2x 0.34 mm ² (Power supply) 1x 0.38 mm ² (Drain wire)
Wire diameter incl. insulation	2.55 mm (Signal line) 1.37 mm (Power supply)
External cable diameter	8.30 mm ±0.3 mm
Outer sheath, material	PVC
External sheath, color	black
Conductor material	Tin-plated Cu litz wires
Material wire insulation	Foamed PP (Signal line) PVC (Power supply)
Single wire, color	red-black, blue-white
Thickness, insulation	≥ 0.30 mm (Wire insulation power supply)
Thickness, outer sheath	≥ 1.00 mm
Twisted pairs	2 cores to the pair
Type of pair shielding	Aluminum-lined polyester foil
Overall twist	2 pairs with filler elements, around a drain wire in the center to the core
Optical shield covering	85 %
Max. conductor resistance	≤ 56 Ω/km
Insulation resistance	≥ 20 MΩ*km
Wave impedance	120 Ω ±12 Ω (f = 1 MHz)
Working capacitance	approx. 39.8 nF (Signal line, line-line) ≤ 4000 pF (Signal line, line-shield)
Nominal voltage, cable	≤ 300 V
Test voltage	2000 V (50 Hz, 1 min.)
Minimum bending radius, fixed installation	4 x D
Minimum bending radius, flexible installation	8 x D
Smallest bending radius, fixed installation	34 mm
Smallest bending radius, movable installation	67 mm

SAC-5P-10,0-927/M12FS VA - Bus system cable



1402958

<https://www.phoenixcontact.com/us/products/1402958>

Flame resistance	in acc. with UL 1581, section 1061
Ambient temperature (operation)	-30 °C ... 80 °C

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65
	IP67

1402958

<https://www.phoenixcontact.com/us/products/1402958>

Drawings

Dimensional drawing



M12 x 1 socket, straight, shielded

Schematic diagram



Pin assignment M12 socket, 5-pos., A-coded, socket side view

SAC-5P-10,0-927/M12FS VA - Bus system cable



1402958

<https://www.phoenixcontact.com/us/products/1402958>

Circuit diagram



Contact assignment of the M12 socket

SAC-5P-10,0-927/M12FS VA - Bus system cable



1402958

<https://www.phoenixcontact.com/us/products/1402958>

Classifications

ECLASS

ECLASS-13.0	27060307
ECLASS-15.0	27060307

UNSPSC

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

SAC-5P-10,0-927/M12FS VA - Bus system cable



1402958

<https://www.phoenixcontact.com/us/products/1402958>

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 2026 © - 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