

SAC-12P-20,0-35T/FR SH SCO - Sensor/actuator cable



1425366

<https://www.phoenixcontact.com/us/products/1425366>

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.



Sensor/actuator cable, 12-position, PUR/PVC, black RAL 9005, shielded, free cable end, on Socket angled M12 SPEEDCON, coding: A, cable length: 20 m

Commercial data

Item number	1425366
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	BF03
Product key	AF1CNA
GTIN	4055626399270
Weight per piece (including packing)	1,856.7 g
Weight per piece (excluding packing)	1,856.7 g
Customs tariff number	85444290
Country of origin	DE

SAC-12P-20,0-35T/FR SH SCO - Sensor/actuator cable

1425366

<https://www.phoenixcontact.com/us/products/1425366>

Technical data

Product properties

Product type	Sensor/actuator cable
Number of positions	12

Electrical properties

Nominal voltage U_N	30 V AC
	30 V DC

Connector

Connection 1

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


Connection 2

Type	Socket angled M12 SPEEDCON
Number of positions	12
Locking type	SPEEDCON
Coding type	A

Cable/line

Cable length	20 m
--------------	------

Black PUR/PVC twisted pair [35T]

Dimensional drawing	
Cable weight	87 kg/km
UL AWM Style	20233 / 1061 (80°C/300 V)
Number of positions	12
Shielded	yes
Cable type	Black PUR/PVC twisted pair [35T]
Conductor structure signal line	18x 0.10 mm
AWG signal line	26
Conductor cross-section	12x 0.14 mm ² (Signal line)
Wire diameter incl. insulation	1 mm ±0.05 mm (Signal line)
External cable diameter	8.50 mm ±0.2 mm
Outer sheath, material	PUR
External sheath, color	black RAL 9005

SAC-12P-20,0-35T/FR SH SCO - Sensor/actuator cable



1425366

<https://www.phoenixcontact.com/us/products/1425366>

Conductor material	Tin-plated Cu litz wires
Material wire insulation	PVC
Single wire, color	white-brown, green-yellow, gray-pink, blue-red, black-violet, gray/pink-red/blue
Twisted pairs	2 cores to the pair
Overall twist	Six pairs around the filler to the core
Optical shield covering	85 %
Max. conductor resistance	≤ 142 Ω/km (at 20 °C)
Insulation resistance	≥ 10 MΩ*km (at 20 °C)
Nominal voltage, cable	42 V AC
Test voltage	1500 V AC
Minimum bending radius, fixed installation	5 x D
Minimum bending radius, flexible installation	10 x D
Smallest bending radius, fixed installation	43 mm
Smallest bending radius, movable installation	85 mm
Dynamic load capacity (bending)	Max. bending cycles: 2000000, Bending radius: 85 mm, Traversing path: 10 m, Traversing rate: 3 m/s, Acceleration: 10 m/s ²
Flame resistance	According to DIN EN 60332-1-2
	According to VW-1
Resistance to oil	in accordance with DIN EN 60811-2-1
Other resistance	hydrolysis and microbe resistant (in accordance with EN 50396)
Special properties	Flexible cable conduit capable
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 80 °C (Cable, flexible installation)

SAC-12P-20,0-35T/FR SH SCO - Sensor/actuator cable




1425366

<https://www.phoenixcontact.com/us/products/1425366>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1425366>

 UL Listed Approval ID: E221474				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	30 V	1 A	-	-

SAC-12P-20,0-35T/FR SH SCO - Sensor/actuator cable



1425366

<https://www.phoenixcontact.com/us/products/1425366>

Classifications

ECLASS

ECLASS-13.0	27060311
ECLASS-15.0	27060311

ETIM

ETIM 10.0	EC001855
-----------	----------

UNSPSC

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

SAC-12P-20,0-35T/FR SH SCO - Sensor/actuator cable



1425366

<https://www.phoenixcontact.com/us/products/1425366>

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