

SAC-17P-15,0-35T/FS SH SCO - Sensor/actuator cable

1079460
<https://www.phoenixcontact.com/us/products/1079460>

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Sensor/actuator cable, 17-position, PUR/PVC, black RAL 9005, shielded, free cable end, on Socket straight M12 SPEEDCON, coding: A, cable length: 15 m

Commercial data

Item number	1079460
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	BF03
Product key	BF1CNA
GTIN	4055626799292
Weight per piece (including packing)	1,633.7 g
Weight per piece (excluding packing)	22.22 g
Customs tariff number	85444290
Country of origin	DE

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Technical data

Product properties

Product type	Sensor/actuator cable
Number of positions	17
Shielded	yes

Connector

Connection 1

Type	free cable end
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Connection 2

Type	Socket straight M12 SPEEDCON
Number of positions	17
Locking type	SPEEDCON
Coding type	A

Cable/line

Cable length	15 m
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Black PUR/PVC twisted pair [35T]

Dimensional drawing	
Cable weight	105 kg/km
UL AWM Style	20233 / 1061 (80°C/300 V)
Number of positions	17
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	17x 0.14 mm ² (Signal line)
Wire diameter incl. insulation	1 mm ±0.05 mm (Signal line)
External cable diameter	9.20 mm ±0.2 mm
Outer sheath, material	PUR
External sheath, color	black RAL 9005
Conductor material	Tin-plated Cu litz wires
Material wire insulation	PVC
Single wire, color	white-brown, green-yellow, gray-pink, blue-red, black-violet,

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	gray/pink-red/blue, white/green-brown/green, white/yellow-yellow/brown-white/gray
Overall twist	7 pairs and 1 three-way unit, intertwisted
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	46 mm
Smallest bending radius, movable installation	92 mm
Dynamic load capacity (bending)	Max. bending cycles: 4000000, Bending radius: 92 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)	-30 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 80 °C (Cable, flexible installation)

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Classifications

ECLASS

ECLASS-11.0	27060311
ECLASS-12.0	27060311
ECLASS-13.0	27060311

ETIM

ETIM 9.0	EC001855
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UNSPSC

UNSPSC 21.0	26121600
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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%

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