

## Sensor/Actuator cable - SAC-8P-100,0-PUR/SH-0,25 - 1550643

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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Cable ring, halogen-free PUR, black, 8-pos., shielded, conductor colors: White / brown / green / yellow / gray / pink / blue / red, cable length: 100 m



### Key commercial data

Packing unit	1 pc
GTIN	 4 046356 170451
Weight per Piece (excluding packing)	5331.0 g
Custom tariff number	85444995
Country of origin	Germany
Note	Made to Order (non-returnable)

### Technical data

#### Dimensions

Length of cable	100 m
-----------------	-------

#### General

Number of positions	8
---------------------	---

#### Cable

Cable type	PUR halogen-free black
Cable type (abbreviation)	PUR
Cable abbreviation	LiF9YC11Y
UL AWM style	20549
Conductor cross section	8x 0.25 mm <sup>2</sup> (signal line)
AWG signal line	24
Conductor structure signal line	32x 0.10 mm
Core diameter including insulation	1.17 mm ±0.02 mm
Wire colors	Brown, white, green, yellow, gray, pink, blue, red
Overall twist	8 wires around filler to the core
Shielding	Tinned copper braided shield

## Sensor/Actuator cable - SAC-8P-100,0-PUR/SH-0,25 - 1550643

### Technical data

#### Cable

Optical shield covering	85 %
External sheath, color	Black RAL 9005
External cable diameter D	5.9 mm ±0.2 mm
Smallest bending radius, fixed installation	47.2 mm
Smallest bending radius, movable installation	59 mm (up to +60°C)
Number of bending cycles	4000000
Bending radius	59 mm
Traversing path	10 m
Traversing rate	3 m/s
Acceleration	10 m/s <sup>2</sup>
Outer sheath, material	PUR
Material conductor insulation	PP
Conductor material	Bare Cu litz wires
Insulation resistance	70 GΩ*km (at 20 °C)
Conductor resistance	max. 79 Ω/km (at 20 °C)
Nominal voltage, cable	300 V (at 20 °C)
Test voltage Core/Core	3000 V (at 20 °C)
Special properties	Flexible cable conduit capable
Flame resistance	in acc. with UL FT-2
Other resistance	hydrolysis and microbe resistant
	partly UV-resistant in accordance with DIN EN ISO 4892-2-A
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-25 °C ... 80 °C (cable, flexible installation)

### Classifications

#### eCl@ss

eCl@ss 4.0	27060306
eCl@ss 4.1	27060306
eCl@ss 5.0	27061801
eCl@ss 5.1	27061801
eCl@ss 6.0	27061801
eCl@ss 7.0	27061801
eCl@ss 8.0	27062011

#### ETIM

ETIM 3.0	EC001855
ETIM 4.0	EC001855
ETIM 5.0	EC001855

# Sensor/Actuator cable - SAC-8P-100,0-PUR/SH-0,25 - 1550643

## Classifications

### UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	31251501

## Approvals

### Approvals

#### Approvals

UL Listed / cUL Listed / EAC / cULus Listed

#### Ex Approvals

#### Approvals submitted

## Approval details

UL Listed	
Nominal current IN	2 A
Nominal voltage UN	30 V

cUL Listed	
Nominal current IN	2 A
Nominal voltage UN	30 V

EAC
-----

cULus Listed
--------------

## Sensor/Actuator cable - SAC-8P-100,0-PUR/SH-0,25 - 1550643

### Accessories

Accessories

Stripping tool

Stripping tool - WIREFOX SAC - 1212623



Stripping pliers, for halogen-free sensor/actuator cables (SAC cables), with PUR and PVC insulation, from  $\varnothing$  of 4.4 to 7 mm, any stripping length

---

### Drawings

Cable cross section



PUR halogen-free black [PUR]