

# SPE-T1-CCP-SF/1,0/AWG22/CCP-SF - Patch cable



1183807

<https://www.phoenixcontact.com/us/products/1183807>

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.



Patch cable, design: IEC 63171-2, degree of protection: IP20, cable length: 1 m, number of positions: 2, 1 Gbps, CAT B, material: TPU, connection method: Crimp connection, connection cross section: AWG 22- 22, cable outlet: straight, Single Pair Ethernet

## Your advantages

- Compact design
- Connectors in accordance with IEC 63171-2
- Mechanical interlock with locking clip
- Robust industrial design
- 360° shielding
- High shock and vibration resistance
- Data transmission up to 600 MHz

## Commercial data

Item number	1183807
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB13
Product key	ABNBCB
GTIN	4063151222062
Weight per piece (including packing)	53 g
Weight per piece (excluding packing)	53 g
Customs tariff number	85444290
Country of origin	DE

1183807

<https://www.phoenixcontact.com/us/products/1183807>

## Technical data

### Product properties

Product type	Data cable preassembled
Type	SPE
Sensor type	Single Pair Ethernet
Number of positions	2
Connection profile	SPE
No. of cable outlets	1
Number of slots	2
Shielded	yes
Cable outlet	straight

### Insulation characteristics

Overvoltage category	I
Degree of pollution	2

### Electrical properties

Rated voltage (III/2)	72 V DC
Rated current	4 A
Frequency range	600 MHz
Insulation resistance	> 1 T $\Omega$
Contact resistance	< 20 m $\Omega$
Transmission speed	1 Gbps (in accordance with IEEE 802.3 bp) 100 Mbps (in accordance with IEEE 802.3 bw) 10 Mbps (in accordance with IEEE 802.3 cg)
Transmission characteristics (category)	CAT B
Power transmission	PoDL
Wave impedance	100 $\Omega$
Max. conductor resistance	59.4 M $\Omega$ /km

### Mechanical properties

#### Mechanical data

Insertion/withdrawal cycles	$\geq$ 1000
Insertion force per signal contact	< 10.00 N
Extraction force per signal contact	< 10 N
Smallest bending radius	21,2 mm

### Material specifications

Flammability rating according to UL 94	V0
Housing material	TPU
Contact material	Cu alloy
Contact surface material	Ni/Au

# SPE-T1-CCP-SF/1,0/AWG22/CCP-SF - Patch cable



1183807

<https://www.phoenixcontact.com/us/products/1183807>

Contact carrier material	LCP
Outer sheath, material	PVC
Conductor material	Cu

## Dimensions

Width	7.53 mm
Height	14 mm

## Connection data

Connection technology	
Connection method	Crimp connection

Conductor connection	
Connection method	Crimp connection

## Connector

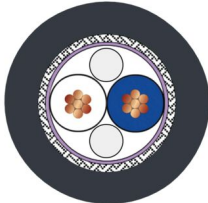
Connection 1	
Type	Plug straight SPE
Shielded	yes
Insertion/withdrawal cycles	≥ 1000
Degree of protection	IP20

Connection 2	
Type	Plug straight SPE
Shielded	yes
Insertion/withdrawal cycles	≤ 1000
Degree of protection	IP20

## Cable/line

Cable length	1.00 m
--------------	--------

Single Pair Ethernet PUR flexible, black [97B]

Dimensional drawing	
Shielded	yes
UL AWM Style	2095 (80°C/300 V)
Cable type	Single Pair Ethernet PUR flexible, black
Cable type (abbreviation)	97B
Signal type/category	Single Pair Ethernet

# SPE-T1-CCP-SF/1,0/AWG22/CCP-SF - Patch cable



1183807

<https://www.phoenixcontact.com/us/products/1183807>

Cable structure	1 x 2 x AWG 22/7, S/FTP
External cable diameter	5.10 mm ±0.2 mm
Outer sheath, material	PVC
External sheath, color	black
Thickness, outer sheath	0.55 mm
Conductor material	Tin-plated Cu litz wires
Conductor structure signal line	7x
AWG signal line	22
Conductor cross-section	2x 0.34 mm <sup>2</sup>
Material wire insulation	Foamed PE
Wire diameter incl. insulation	1.65 mm
Single wire, color	white, blue
Twisted pairs	2 cores to the pair
Overall twist	1 pair with fillers twisted horizontally
Shielding	Aluminum-coated foil, tinned copper braided shield
Optical shield covering	80 %
Nominal voltage, cable	300 V
Cable resistance	≤ 59.4 Ω/km
Cable insulation resistance	≥ 5 GΩ*km
Wave impedance	100 Ω ±15 Ω (at 20 MHz)
Minimum bending radius, fixed installation	4 x D
Flame resistance	According to FT-2
Ambient temperature (operation)	-20 °C ... 80 °C (cable, fixed installation)

## Standards and regulations

Flame resistance	UL 94 V0
Resistance to oil	yes
Other resistance	UV resistant

# SPE-T1-CCP-SF/1,0/AWG22/CCP-SF - Patch cable




1183807

<https://www.phoenixcontact.com/us/products/1183807>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1183807>

 <b>UL Recognized</b> Approval ID: File E335024				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	-	1.4 A	-	-

1183807

<https://www.phoenixcontact.com/us/products/1183807>

## Classifications

### ECLASS

ECLASS-13.0	27060307
ECLASS-15.0	27060307

### ETIM

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

### UNSPSC

UNSPSC 21.0	39121400
-------------	----------

# SPE-T1-CCP-SF/1,0/AWG22/CCP-SF - Patch cable



1183807

<https://www.phoenixcontact.com/us/products/1183807>

## 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](mailto:info@phoenixcon.com)