

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



1183807

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

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Patch cable, type: IEC 63171-2, degree of protection: IP20, cable length: 1 m, number of positions: 2, 1 Gbps, material: TPU, connection method: Crimp connection, connection cross section: AWG 22- 22, 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	A08
Product Key	ABNICA
GTIN	4063151222062
Weight per Piece (including packing)	57.7 g
Weight per Piece (excluding packing)	53 g
Customs tariff number	85444290
Country of origin	DE

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Technical Data

Product properties

Type	SPE
Product type	Data cable preassembled
Number of positions	2
No. of cable outlets	1
Number of slots	2
Locking type	Locking clip
Shielded	yes

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 TΩ
Contact resistance	< 20 MΩ

Mechanical properties

Mechanical data

Insertion force per signal contact	< 10.00 N
Extraction force per signal contact	< 10 N

Material specifications

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

Dimensions

Width	7.53 mm
Height	14 mm

Connection data

Connection technology

Connection method	Crimp connection
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Conductor connection

Connection method	Crimp connection
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Connector

Insertion/withdrawal cycles	≥ 1000
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Connection 1

Shielded	yes
Insertion/withdrawal cycles	≥ 750
Degree of protection	IP20

Connection 2

Shielded	yes
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Cable / line

Cable length	1.00 m
Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	7-wire
Cable type	Single Pair Ethernet PUR flexible, black
Short symbol	97B
Cable type	Assembled shielded round cable
Cable structure	1x2xAWG22/7
External cable diameter	5.1 mm ±0.20 mm
Outer sheath, material	PVC
External sheath, color	similar to RAL 9005
Conductor material	Cu
Material wire insulation	PE
Wire diameter incl. insulation	1.65 mm ±0.1 mm
Single wire, color	blue, white
Twisted pairs	yes
Overall twist	1 pair with fillers twisted horizontally
Shielding	Plastic-coated aluminum foil, tinned copper braided shield
Optical shield covering	80 %
Test voltage Core/Core	1000 V DC
Test voltage Core/Shield	2250 V DC
Test voltage, cable	300 V (AWM style 2095)
Conductor resistance	59.4 Ω/km (20 °C)
Cable insulation resistance	min. 5 GΩ*km
Wave impedance	100 Ω ±15 (at 20 MHz)
Halogen-free	yes
Resistance to oil	yes
Flame resistance	UL 94 V0
Other resistance	UV resistant

Ambient conditions

Degree of protection	IP20
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Ambient temperature (operation)	-40 °C ... 85 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Ambient temperature (assembly)	-40 °C ... 85 °C
Resistance to oil	yes

Standards and regulations

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

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Approvals

UL Recognized				
Approval ID: File E335024				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
		1.4 A	-	-

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Classifications

ECLASS

ECLASS-9.0	27440390
ECLASS-10.0.1	27440390
ECLASS-11.0	27440392

ETIM

ETIM 8.0	EC002943
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UNSPSC

UNSPSC 21.0	39121400
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Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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Accessories

SPE PCB connector

SPE PCB connector - SPE-T1-STRM-90 - 1163797

<https://www.phoenixcontact.com/us/products/1163797>



SPE PCB connector, type: IEC 63171-2, degree of protection: IP20, number of positions: 2, 1 Gbps, CAT B (ISO/IEC 63171), connection method: THR solder connection, Single Pair Ethernet

SPE PCB connector

SPE PCB connector - SPE-T1-STSM-180 - 1163798

<https://www.phoenixcontact.com/us/products/1163798>



SPE PCB connector, type: IEC 63171-2, degree of protection: IP20, number of positions: 2, 1 Gbps, CAT B (ISO/IEC 63171), connection method: THR solder connection, Single Pair Ethernet

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SPE PCB connector

SPE PCB connector - SPE-T1-STRM-90-LED - 1215778

<https://www.phoenixcontact.com/us/products/1215778>



SPE PCB connector, type: IEC 63171-2, degree of protection: IP20, number of positions: 2, 1 Gbps, CAT B (ISO/IEC 63171), connection method: THR solder connection, Single Pair Ethernet

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