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

1183807

https://www.phoenixcontact.com/sk/products/1183807

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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	ABN
Product Key	ABNBCB
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

Technical Data

Product properties

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

Insulation characteristics

Overvoltage category	I
Degree of pollution	2

Electrical properties

Min. AWG, flexible, multi-strand	22
Rated voltage (III/2)	72 V DC
Rated current	4 A
Frequency range	600 MHz
Insulation resistance	> 1 TΩ
Contact resistance	< 20 MΩ
Transmission characteristics (category)	CAT B
Power transmission	PoDL

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 1000
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
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

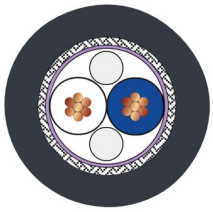
Connection 2

Type	Plug straight SPE
Shielded	yes

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
Cable structure	1 x 2 x AWG 22/7, S/FTP
External cable diameter	5.1 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 mm²
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)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
	IP20
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

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	-	-

Classifications

ECLASS

ECLASS-11.0	27440392
ECLASS-12.0	27440392
ECLASS-13.0	27440392

ETIM

ETIM 8.0	EC002943

UNSPSC

UNSPSC 21.0	39121400

Environmental Product Compliance

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

Accessories

SPE-T1-STRM-90 - SPE PCB connector

1163797

https://www.phoenixcontact.com/sk/products/1163797



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

SPE-T1-STSM-180 - SPE PCB connector

1163798

https://www.phoenixcontact.com/sk/products/1163798



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

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

1215778

https://www.phoenixcontact.com/sk/products/1215778



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

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