Network cable - SPE-T1-M12FS/ 2,0-97B/M12FS

1364631

https://www.phoenixcontact.com/sk/products/1364631

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Network cable, Single Pair Ethernet CAT A (10 Mbps), 2-position, shielded (Advanced Shielding Technology), Plug straight SPE / IP67, on Socket straight SPE / IP67, cable length: 2 m

Your advantages

- Future-proof: standardized connectors in accordance with IEC 63171-5 (IP67)
- Easily integrated: Male and female versions for established inductive sensors and flying leads
- Straightforward servicing: M12 connectors are compatible with IP20 connectors for SPE
- Safely shielded: patch cables with Advanced Shielding Technology

Commercial Data

Item number	1364631
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to Order (non-returnable)
Sales Key	BF1
Product Key	BF1BJI
GTIN	4063151711030
Weight per Piece (including packing)	22.22 g
Weight per Piece (excluding packing)	222 g
Customs tariff number	85444290
Country of origin	PL

Technical Data

Product properties

Product type	Data cable preassembled
Number of positions	2
Application	Standard
No. of cable outlets	1
Shielded	yes

Insulation characteristics

Overvoltage category	I

Interfaces

Bus system	Ethernet
Signal type/category	Single Pair Ethernet CAT A (ISO/IEC 63171), 10 Mbps

LED signaling

Status display	No
Status display present	No

Electrical properties

Nominal voltage U_N	72 V DC
Transmission medium	Copper

Material specifications

Color Handle area	black
Flammability rating according to UL 94	V0

Connector

Connection 1

Type	Plug straight SPE / IP67
Shielded	yes
Insertion/withdrawal cycles	≤ 100
Degree of protection	IP67
Ambient temperature (operation)	-25 °C ... 85 °C

Connection 2

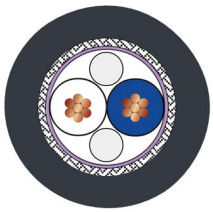
Type	Socket straight SPE / IP67
Shielded	yes
Handle color	black
Material	CuSn (Contact)
	Ni/Au (Contact surface)
	PP (Contact carriers)
	TPU, hardly inflammable, self-extinguishing (Grip)

	Zinc die-cast, nickel-plated (Screw connection)
	FKM (Seal)
Insertion/withdrawal cycles	≤ 100
Ambient temperature (operation)	-25 °C ... 85 °C

Cable / line

Cable length	2 m

Single Pair Ethernet PUR flexible, black [97B]

Dimensional drawing	
UL AWM Style	2095 (80°C/300 V)
Number of positions	2
Shielded	yes
Cable type	Single Pair Ethernet PUR flexible, black [97B]
Conductor structure	1 x 2 x AWG 22/7, S/FTP
Conductor structure signal line	7x
AWG signal line	22
Conductor cross section	2x 0.34 mm²
Wire diameter incl. insulation	1.65 mm
External cable diameter	5.1 mm ±0.2 mm
Outer sheath, material	PVC
External sheath, color	black
Conductor material	Tin-plated Cu litz wires
Material wire insulation	Foamed PE
Single wire, color	white, blue
Thickness, outer sheath	0.55 mm
Twisted pairs	2 cores to the pair
Overall twist	1 pair with fillers twisted horizontally
Optical shield covering	80 %
Max. conductor resistance	≤ 59.4 Ω/km
Insulation resistance	≥ 5 GΩ*km
Wave impedance	100 Ω ±15 Ω (at 20 MHz)
Nominal voltage, cable	300 V
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

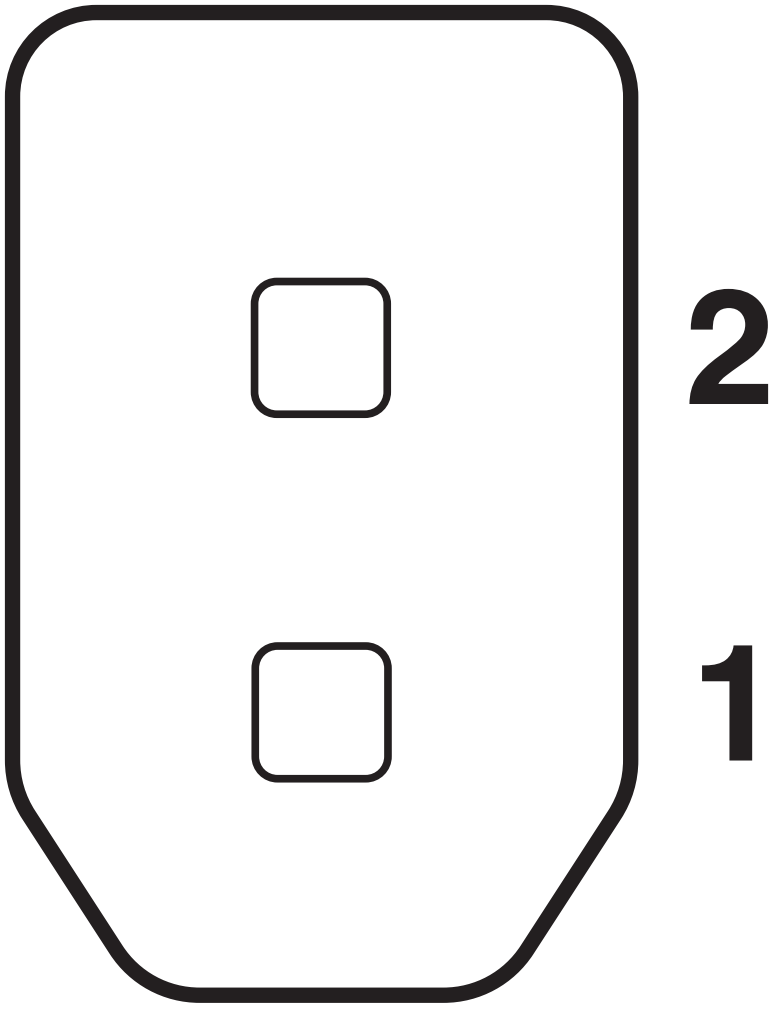
Degree of protection	IP65
	IP67

Standards and regulations

Standards/specifications	IEC 63171-5

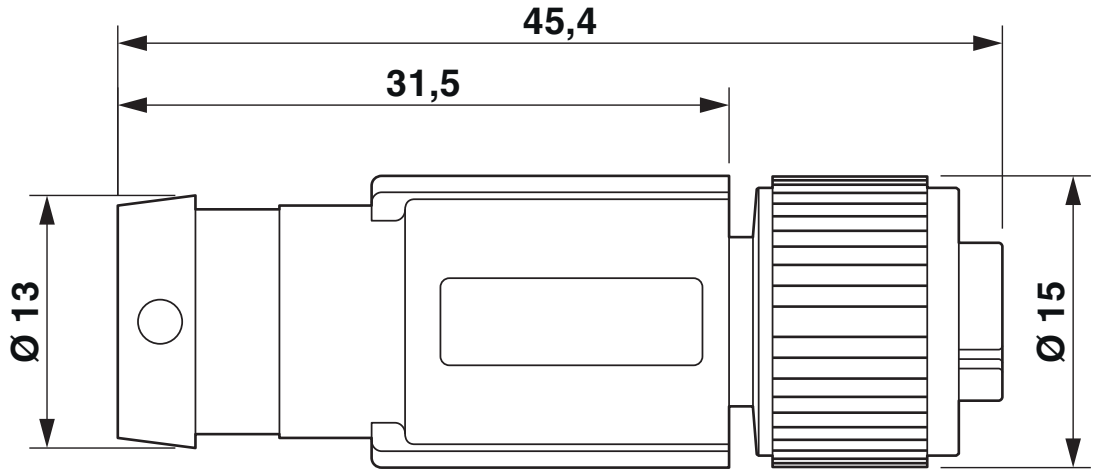
Drawings

Schematic diagram



Pin assignment, Single Pair Ethernet, 2 pos.

Dimensional drawing



M12 x 1 socket, straight, shielded

Classifications

ECLASS

ECLASS-11.0	27060307

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