1478364

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Network cable, Single Pair Ethernet CAT B (1 Gbps), 2-position halogen-free, shielded (Advanced Shielding Technology), Plug straight M12-SPE / IP67, on free cable end / IP67, cable length: 1 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	1478364
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to Order (non-returnable)
Product Key	BF1BJI
GTIN	4063151893750
Weight per Piece (including packing)	22.22 g
Weight per Piece (excluding packing)	22.22 g
Country of origin	PL

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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	1
Interfaces	

I

Signal type/category Single Pair Ethe	ernet CAT B (ISO/IEC 63171), 1 Gbps

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

Туре	Plug straight M12-SPE / IP67
Shielded	yes
Insertion/withdrawal cycles	≤ 100
Degree of protection	IP67
Ambient temperature (operation)	-25 °C 85 °C

Connection 2

Туре	free cable end / IP67
Shielded	yes
Handle color	black
Material	CuSn (Contact)
	Ni/Au (Contact surface)
	PP (Contact carriers)
	TPU, hardly inflammable, self-extinguishing (Grip)



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

Cable / line

|--|

Single Pair Ethernet PUR flexible, green [99B]

Dimensional drawing



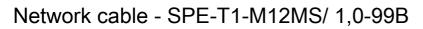
Cable weight	42 kg/km
UL AWM Style	20233 (80°C/300 V)
Number of positions	2
Shielded	yes
Cable type	Single Pair Ethernet PUR flexible, green [99B]
Conductor structure	1 x 2 x AWG 22/7, S/FTP
Conductor structure signal line	7x
AWG signal line	22
Conductor cross section	2x 0.34 mm ²
Wire diameter incl. insulation	1.8 mm
External cable diameter	5.8 mm ±0.3 mm
Outer sheath, material	PUR
External sheath, color	green
Conductor material	Bare Cu litz wires
Material wire insulation	Foamed PE
Single wire, color	white, blue
Thickness, outer sheath	0.8 mm
Twisted pairs	2 cores to the pair
Overall twist	1 pair with fillers twisted horizontally
Optical shield covering	90 %
Insulation resistance	≥ 5 GΩ*km
Loop resistance	≤ 120.00 Ω/km
Wave impedance	100 Ω ±5 Ω (at 100 MHz)
Cable capacity	48 nF/km
Nominal voltage, cable	≤ 100 V
Test voltage Core/Core	1000 V (50 Hz, 1 min.)
Test voltage Core/Shield	1000 V (50 Hz, 1 min.)

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4 x D
8 x D
according to IEC 60332-1-2
in accordance with DIN EN 60811-404
-40 °C 80 °C (cable, fixed installation)
-25 °C 80 °C (Cable, flexible installation)
-25 °C 80 °C (for installation)
IP65
IP67
IEC 63171-5

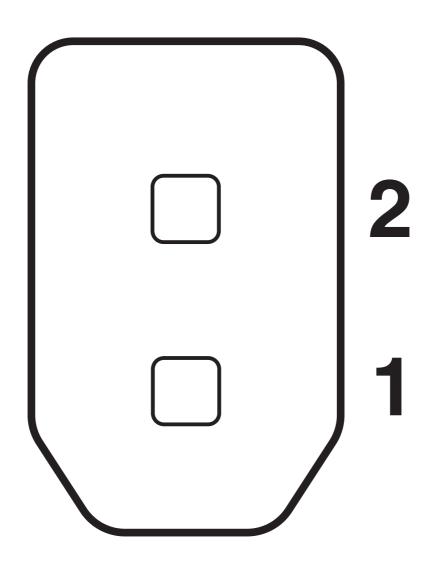


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Drawings

Schematic diagram



Pin assignment, Single Pair Ethernet, 2 pos.

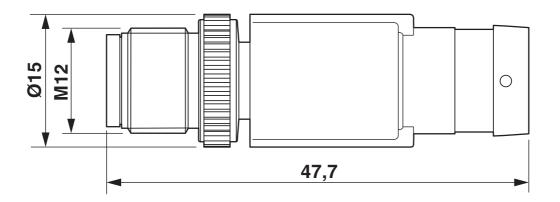
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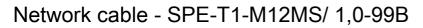
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Dimensional drawing



Plug, M12 x 1, straight, shielded



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Classifications

ECLASS

ECLASS-11.0

27060390

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