

IE-S1DS2VE0100T02T02-E**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**SPElink**[®]

Single pair Ethernet is a technology that only requires one pair of wires to transmit data and power.

The resulting benefits will make SPE the preferred network at the field level and beyond. Advantages of Single Pair Ethernet

- Consistent: Single Pair Ethernet enables uniform Ethernet-based communication from the sensor to the cloud
- Future-proof: key technology for Industry 4.0 and IIoT
- Flexible: ranges of up to 1000 m and transmission properties of up to 1 Gbps enable use across applications
- Innovative: lighter, less space required, and reduced installation effort

General ordering data

Version	Patch cable, SPE plug (IEC 63171-2) - IP20 socket contact straight, SPE plug (IEC 63171-2) - IP20 socket contact straight, T1-B, PVC, 10 m
Order No.	3123990100
Type	IE-S1DS2VE0100T02T02-E
GTIN (EAN)	409998735386 1
Qty.	1 items

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Technical data

Dimensions and weights

Length	10 m	Length (inches)	393.7008 inch
Net weight	375 g		

Temperatures

Storage temperature	Operating temperature	-40 °C...80 °C
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Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Electrical properties

Dielectric strength, contact / shield	2250 V DC	Dielectric strength, contact / contact	1000 V DC
PoE / PoE+	PoDL acc. to IEEE 802.3bu / cg		

Cable structure

Strands	7	Cross-section	2*AWG 22
Shielding	STP	Number of wires	2
Insulation	PE	Sheath diameter, max.	5.3 mm
Sheath diameter, min.	4.9 mm	Material sheath	PVC
Colour coding	white / blue	Complete shielding	Shielding braid made from copper wiring
Overlap of shielding braid	80 %	Insulation diameter 2	1.65 mm

Electrical properties of cable

Rated voltage (DC)	60 V	Transmission rate	10/100 MBit/s, 1000 MBit/s
Category	T1-B	Nominal current	3.5 A
Coupling attenuation 1 to 600 MHz	Type I	Test voltage: wire-wire-shield	1 kV DC, 1 min
Capacity at 800 Hz	1.6 nF/km	Resistance differential	2 %
Characteristic impedance	100 ± 15 Ω at 20 MHz		

Mechanical and material properties of cable

Resistance to oils	IRM 902/903 oil resistance test at (70°Cx4h)	Colour	black
Halogen	Yes	Bending radius	20 mm
Resistance to spread of flame	FT1		

Plug

Plug right	SPE, IP20, female contact, straight, plug, Zinc diecast, shielded	Plug left	SPE, IP20, female contact, straight, plug, Zinc diecast, shielded
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Plug, left

Plug left	SPE, IP20, female contact, straight, plug, Zinc diecast, shielded
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Technical data**Plug, right**

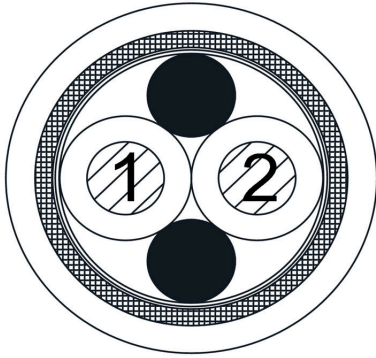
Plug right	SPE, IP20, female contact, straight, plug, Zinc diecast, shielded
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Classifications

ETIM 8.0	EC002599	ETIM 9.0	EC002599
ETIM 10.0	EC002599	ECLASS 14.0	27-06-03-08
ECLASS 15.0	27-06-03-08		

Drawings

Detailed drawing



Dimensional drawing

