

IE-S1ES2LE-100**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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	System cable, Single Pair Ethernet (SPE), T1-B, LSZH, 100
Order No.	2926140000
Type	IE-S1ES2LE-100
GTIN (EAN)	4099986643277
Qty.	1 items

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Technical data

Approvals

ROHS Conform

Dimensions and weights

Length	100 m	Length (inches)	3937.0079 inch
Net weight	1823.1 g		

Temperatures

Storage temperature Operating temperature -20 °C...60 °C

Environmental Product Compliance

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

Technical specifications for cable

Sheathing colour	black	Suitable for cable carriers	No
Number of wires	2	Shielded	Yes
Halogen	halogen-free, according to IEC 60754-2, halogen-free, according to IEC 60754-1	Insulation	PE
Resistance to spread of flame	in accordance with IEC 60332-1-2	Sheath material	LSZH
Configurable cable length	No	Colour coding	white / blue
Number of poles	2		

Cable specific standards

Impervious to smoke According to IEC 61034

Standards

Impervious to smoke According to IEC 61034

Cable structure

Strands	7	Sheathing colour	black
Cross-section	1 x 2 x AWG 26/7 - 0.132 mm ²	Shielding	S/FTP
Number of wires	2	Insulation cross-section	1.15 mm
Insulation	PE	Sheath diameter, max.	3.7 mm
Material sheath	LSZH	Wire pair shielding	Aluminium foil
Arrangement of wire cores	Twisted pair	Colour coding	white / blue
Complete shielding	Shielding braid made from copper wiring	Tensile force, max.	14 N

Electrical properties of cable

Category	T1-B	Coupling attenuation 1 to 600 MHz	Type I
Coupling attenuation up to 1000 MHz	70 dB	Separating class according to EN 50174-2	d

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Technical data

Mechanical and material properties of cable

Colour	black	Halogen	halogen-free, according to IEC 60754-2, halogen-free, according to IEC 60754-1
Min. bending radius, repetitive	56 mm	Min. bending radius, once only	28 mm
Resistance to spread of flame	in accordance with IEC 60332-1-2	Impervious to smoke	According to IEC 61034

Classifications

ETIM 6.0	EC000830	ETIM 7.0	EC003249
ETIM 8.0	EC003249	ETIM 9.0	EC003249
ETIM 10.0	EC003249	ECLASS 9.0	27-06-18-05
ECLASS 9.1	27-06-90-90	ECLASS 10.0	27-06-18-01
ECLASS 11.0	27-06-18-01	ECLASS 12.0	27-06-18-01
ECLASS 13.0	27-06-18-01	ECLASS 14.0	27-06-18-01
ECLASS 15.0	27-06-18-01		

Drawings

