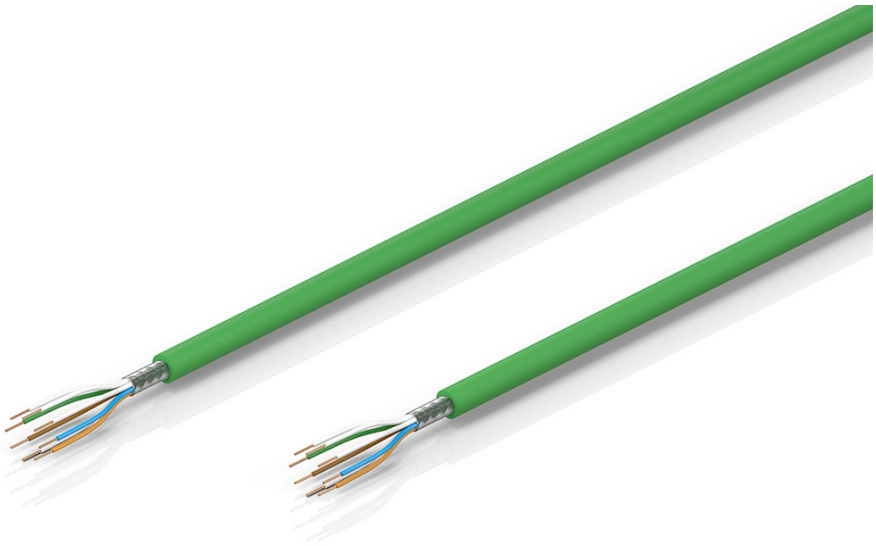
ZB9060-Rxxx | Industrial Ethernet cable, S/FTP, PUR, 4 x 2 x AWG26, fixed installation, Cat.7, green



Electrical data	
Rated voltage	125 V
Insulation resistance	≥ 150 MΩ * km
Unbalanced capacitance to ground	1600 pF/km
Mutual capacitance	46 pF/m at 1 kHz
Characteristic impedance	100 Ω ± 15 Ω (100 MHz)
Loop resistance	≤ 290 Ω/km
Unbalanced resistance	< 2 %
Unbalanced resistance (Ethernet)	≤ 2 % in the pair, ≤ 4 % between the pairs
Dielectric strength wire/wire	750 V
Dielectric strength wire/shield	750 V
Signal running time	nom. 427 ns / 100 m
Signal running time (Ethernet)	4.27 ns/m
Electrical parameters (Ethernet)	Cat.7 acc. to EN50288-4-2
Test voltage	750 V, 50 Hz, 1 min.
Mechanical data	
Cable structure	S/FTP
Cable structure (Ethernet)	twisted shielded pair

Conductor construction (Ethernet)	7-strand
Cross-section (Ethernet)	4 x 2 x 0.14 mm² (AWG26)
Outer cable diameter	6.2 mm ± 0.2mm (0.244" ± 0.0079")
Min. bending radius, moved	8 x outer cable diameter
Min. bending radius, fixed installation	4 x outer cable diameter
Weight	41 kg/km (27.55 lb/1000 ft)
Conductor material (Ethernet)	bare copper
Shielding	braiding of tinned copper wires, metallized plastic fleece for pair shielding
Optical covering factor of shielding (total)	≥ 60 %
Use	fixed installation
Jacket color	green
Material jacket	PUR (polyurethane)
Wire color code	white/orange, orange, white/green, green, blue, white/blue, white/brown, brown
Wire insulation material	PE (polyethylene)
Printing on the jacket	Cat.7 S/FTP 4x2xAWG26/7 PUR LI02YSC11Y PIMF IEC 60332-1 E344985 AA c(UL)us CMX -40°C - +85°C "length in meters"
Printing color	blue
Environmental data	
Operation temperature range, moved	-40...+85°C, -40...+185°F
Ambient temperature, transport/storage	-10...+60°C, -14...+140°F
UV resistance	according to IEC 60068-2-5 (2 cycles of test method B)
Oil resistance	according to UL 758
Acid, lye and solvent resistance	depends on medium, concentration, temperature and duration
Special features	Series of ISO/IEC 11801-x; Class F, Series of EN 50173-x; Class F, IEEE802.3: 10Base-T; 100Base-T; 1000Base-T; 10GBase-T, IEEE 802.3: Power over Ethernet PoE; PoE+
LABS-free	yes
Flame-retardant	according to IEC 60332-1
Halogen-free	according to IEC 60754-2
Silicone-free	yes
Approvals	E499669

Notes

- The following length tolerances apply: 2-3%
- Illustrations similar
- Matching connector: ZS1090-0005

Ordering information	Length

ZB9060-R001	1000 m
ZB9060-R002	500 m
ZB9060-R003	305 m

Products marked with a crossed-out wheeled bin shall not be discarded with the normal waste stream. The device is considered as waste electrical and electronic equipment. The national regulations for the disposal of waste electrical and electronic equipment must be observed.

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