



ZB9060-Rxxx | Industrial Ethernet cable, S/FTP, PUR, 4 x 2 x AWG26, fixed installation, CAT7, green

Electrical data	
Rated voltage	125 V
Insulation resistance	$\geq 150 \text{ M}\Omega \cdot \text{km}$
Unbalanced capacitance to ground	1600 pF/km
Mutual capacitance	46 pF/m at 1 kHz
Characteristic impedance	$100 \Omega \pm 15 \Omega$ (100 MHz)
Loop resistance	$\leq 290 \Omega/\text{km}$
Unbalanced resistance	$< 2 \%$
Unbalanced resistance (Ethernet)	$\leq 2 \%$ in the pair, $\leq 4 \%$ 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)	$4 \times 2 \times 0.14 \text{ mm}^2$ (AWG26)
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)
Outer cable diameter	$6.2 \text{ mm} \pm 0.2\text{mm}$ ($0.244'' \pm 0.0079''$)
Conductor material (Ethernet)	bare copper
Shielding	braiding of tinned copper wires, metallised plastic fleece for pair shielding
Optical covering factor of shielding (total)	$\geq 60 \%$
Use	fixed installation
Jacket colour	green
Material jacket	PUR (polyurethane)
Wire colour 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 colour	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

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