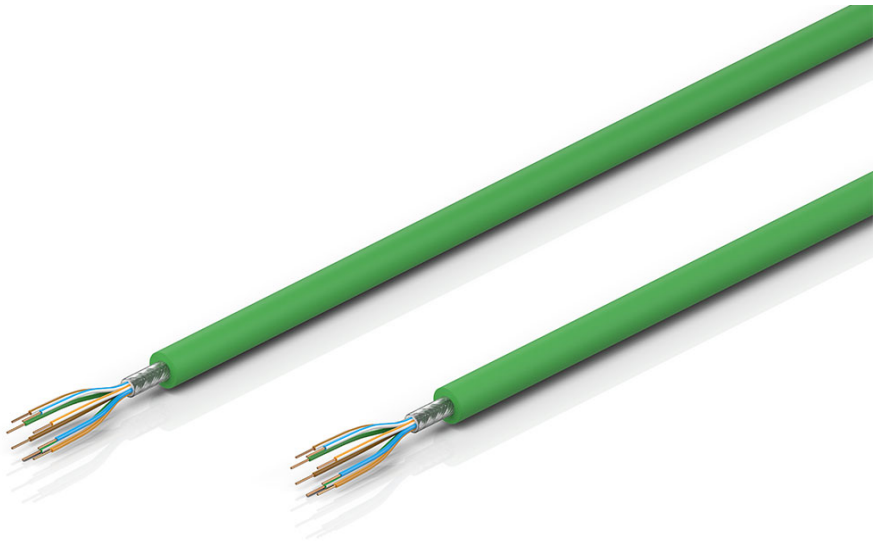
ZB9061-Rxxx | Industrial Ethernet/EtherCAT cable, SF/UTP, PUR, 4 x 2 x AWG26, drag-chain suitable, Cat.6, green



Electrical data	
Rated voltage	125 V
Operating voltage	≤ 125 V (peak value, not for high voltage purposes)
Attenuation of shielding	≥ 60 dB (30...250 MHz)
Insulation resistance	≥ 5GΩ * km
Mutual capacitance	nom. 50 nF/km
Characteristic impedance	100 Ω ± 15 Ω (100 MHz)
Loop resistance	≤ 280 Ω/km
Signal running time	nom. 490 ns / 100 m
Signal running time (Ethernet)	4.9 ns/m
NVP	0.68
Electrical parameters (Ethernet)	Cat.6
Test voltage	700 V, 50 Hz, 1 min. (wire/wire and wire/screen)
Mechanical data	
Cable structure	SF/UTP
Cable structure (Ethernet)	twisted shielded pair
Conductor construction (Ethernet)	19-strand
Cross-section (Ethernet)	4 x 2 x 0.14 mm² (AWG26)

Outer cable diameter	7.80 ±0.20 mm
Min. bending radius, moved	7.5 x outer cable diameter
Min. bending radius, fixed installation	4 x outer cable diameter
Weight	64 kg/km (43.0 lb/1000 ft)
Conductor material (Ethernet)	tinned copper
Shielding	aluminum-clad foil, braiding of tinned copper wires
Optical covering factor of shielding (total)	≥ 85 %
Use	drag-chain suitable
Max. acceleration	4 m/s²
Max. speed	4 m/s
Max. travel distance	4.5 m (horizontal)
Max. number of cycles	1 million
Jacket color	green
Material jacket	PUR (polyurethane)
Wire color code	white-blue / blue, white-orange / orange, white-green / green, white-brown / brown
Wire insulation material	PO (Polyolefine)
Printing on the jacket	

Environmental data	
Operation temperature range, moved	-30...+70°C, -22...+158°F for flexible use. In drag-chain: -5...+50°C, 23...+122°F
Operation temperature range, fixed installation	-40...+80°C, -40...+185°F
Oil resistance	according to IEC 60811-2-1 or according to DIN VDE 0282 part 10
Acid, lye and solvent resistance	depends on medium, concentration, temperature and duration
Flame-retardant	VW1 Flame Test, IEC 60332-1-2
Halogen-free	according to IEC 60754 or DIN VDE 0472 part 815
UL	yes, UL E-file number: E312184
Approvals	c(UL)us CMX 75°C, C(UL)us AWM 21576 80°C 1000V

Attenuation								
Max. insertion loss								
Frequency [MHz]	**1**	**4**	**10**	**16**	**20**	**31.25**	**62.5**	**100**
[db/100 m]	-	5.8	9.0	11.4	12.8	16.1	23.3	29.9
[db/100 ft]	-	1.8	2.7	3.5	3.9	4.9	7.1	9.1
Min. near-end crosstalk attenuation								
Frequency [MHz]	**1**	**4**	**10**	**16**	**20**	**31.25**	**62.5**	**100**
[db/100 m]	-	66.3	60.3	57.2	55.8	52.9	48.4	45.3

[db/100 ft]	-	20.2	18.4	17.4	17	16.1	14.8	13.8

Notes

- The following length tolerances apply: 2-3%
- Illustrations similar

Ordering information	Length
ZB9061-R001	1000 m
ZB9061-R002	500 m
ZB9061-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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