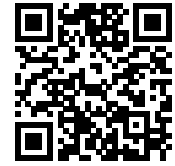


ZB7308-xxxx | EtherCAT-/Ethernet cable, no total screen, PUR, drag-chain suitable, 3G4 mm² + 2 x 1.5 mm² (1 x 4 x AWG26), black with yellow stripe, OD = 10.9 mm (±0.4 mm)



Electrical data	
Operating voltage	≤ 300 V
Insulation resistance	≥ 500 MΩ * km (DIN EN 50395)
Wire resistance (power)	≤ 5.1 Ω/km
Wire resistance (signal/24V)	≤ 14 Ω/km
Wire resistance (Ethernet)	≤ 145.0 Ω/km
Dielectric strength wire/wire (Ethernet)	2.5 kV (50 Hz, 1 min)
Dielectric strength wire/shield (Ethernet)	2 kV (50 Hz, 1 min)
Mechanical data	
Cable structure	S/FTP
Cable structure (Ethernet)	star quad
Conductor construction (Ethernet)	7-strand
Cross-section (power)	3 x 4.0 mm ² (approx. AWG12)
Cross-section (signal)	2 x 1.5 mm ² (approx. AWG16)
Cross-section (Ethernet)	1 x 4 x 0.14 mm ² (AWG26)
Min. bending radius, moved	15 x outer cable diameter

Min. bending radius, fixed installation	7 x outer cable diameter
Weight	215 kg/km (144.45 lb/1000 ft)
Outer cable diameter	10.9 mm ± 0.4 mm (0.429" ± 0.0157")
Conductor material (power)	copper bare
Conductor material (signal/24V)	copper bare
Conductor material (Ethernet)	bare copper
Shielding	braiding of tinned copper wires, metallized plastic fleece, aluminum-clad foil
Optical covering factor of shielding (Ethernet)	≥ 85 %
Optical covering factor of shielding (total)	no
Use	drag-chain suitable
Max. acceleration	5 m/s ²
Max. speed	1.5 m/s
Max. travel distance	2 m
Max. number of cycles	0.1 million
Jacket color	black (similar to RAL 9005) with yellow stripe (similar to RAL 1003)
Material jacket	PUR (polyurethane)
Wire color code	Ethernet: white, yellow, blue, orange Power (4.0 mm ²): brown, blue, yellow/green Signal (1.5 mm ²): red, black
Wire insulation material	PO (Polyolefine)
Printing on the jacket	xxxxM Beckhoff Automation GmbH & Co. KG - Germany -Industrial Ethernet / EtherCAT ZB7308 3 G 4 + 2 x 1,5 + (4xAWG26)/C E63216 (cULus) AWM 20233 AWM I/II A/B 80°C 300V FT1 RoHS MM/YY
Printing color	white
Environmental data	
Operation temperature range, moved	-25...+80 °C, -13...+176 °F
UV resistance	yes
LABS-free	yes
Halogen-free	yes
Silicone-free	yes
Approvals	cULus AWM Style 20233

Attenuation								
Max. insertion loss								
Frequency [MHz]	1	4	10	16	20	31.25	62.5	100
[db/100 m]	-	-	13.5	-	-	22.0	28.0	34.0
[db/100 ft]	-	-	4.1	-	-	6.7	8.5	10.4
Min. near-end crosstalk attenuation								

Frequency [MHz]	1	4	10	16	20	31.25	62.5	100
[db/100 m]	-	-	45.0	-	-	43.0	38.0	35.0
[db/100 ft]	-	-	13.7	-	-	13.1	11.6	10.7

Notes

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

Ordering information	Length
ZB7308-xxxx	sold by the meter

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