

ZB9045 | Power/sensor cable, PUR, TORSION, 4 x 0.5 mm², capable of torsion, black

Reted voltage900 VInsultator resistance>500 MO/kmWire resistance (signal/24)>2000 VEst voltage>2000 VMichail dataConductor construction\$8 k 0.15 mm, colluctor class 6 according to DIN VDE 0295(signal/24)>4x 0.5 mm² (AWG20)Kinsending radius, moved7.5 x outer cable diameterMin. bending radius, moved7.5 x outer cable diameterWeight>3.6 kg/km (36.02 lb/1000 ft)Outer cable diameter>0.0000 ft)Outer cable diameter>0.0000 ft)Outer cable diameter>0.00000 ft)Outer cable diameter>0.0000 ft)Shielding>0.0000 ft)Outer cable diameter>0.00000 ft)Shielding>0.0000 ft)Shielding>0.0000 ft)Max. sceeleration>0.0000 ft)Max. sceeleration>0.0000 ft)Max. sceeleration>0.0000 ft)Max. steel distance>0.0000 ft)Max. sceeleration>0.0000 ft)Max. sceeleration>0.0000 ft)Max. sceeleration>0.0000 ft)Max. sceeleration>0.0000 ft)Max. sceeleration>0.0000 ft)Max. sceeleration>0.00000 ft)Max. sceeleration>0.00000 ft)Max. sceeleration>0.00000 ft)Max. sceeleration>0.00000 ft)Max. sceeleration>0.00000 ft)Max. sceeleration>0.00000 ft)Max. sceeleration>0.000000 ft)Max. sceeleration>0.000000 ft)Max. sceeleration <th>Electrical data</th> <th></th>	Electrical data	
Instalation resistance> 500 MΩ/kmWire resistance (signal/24/y)ca.39 D/kmText voltage> 200 VBethanical dotaConduct constructionSix 0.15 mm, conductor class 6 according to DIN VDE 0295Coss section4 x0.5 mm? (AWG20)Construction (signal/24/y)> 5.5 x outer cable diameterMin. bending radius, nixed3.6 x outer cable diameterWeightS1.6 kg/km (3.6.02 lb/1000 ft)Conductor material (signal/24)> 0.0 mm ± 0.2 mg. "0.23622 ± 0.0079")Conductor material (signal/24)> 0.0 mm ± 0.2 mg. "0.23622 ± 0.0079")Conductor material (signal/24)> 0.0 mm ± 0.2 mg. "0.23622 ± 0.0079")Conductor material (signal/24)> 0.0 mm ± 0.2 mg. "0.23622 ± 0.0079")Conductor material (signal/24)> 0.0 mm ± 0.2 mg. "0.23622 ± 0.0079")Conductor material (signal/24)> 0.0 mm ± 0.2 mg. "0.23622 ± 0.0079")Conductor material (signal/24)> 0.0 mm ± 0.2 mg. "0.23622 ± 0.0079")Conductor material (signal/24)> 0.0 mg. Conductor dialexShelding> 0.0 mg. Conductor dialexMax conder (signal/24)> 0.0 mg. Conductor dialexMax conder (signal/24)<	Rated voltage	300 V
Test voltage ≥ 2000 V Mechanical data Conductor construction (signal/24/V) 28 x 0.15 mm, conductor class 6 according to DIN VDE 0295 Cross section 4 x 0.5 mm² (AWG20) Min. bending radius, moved 7.5 x outer cable diameter Min. bending radius, fixed Installation 4 x outer cable diameter Veight 53.6 kg/km (36.02 lb/1000 ft) Outer cable diameter 6.0 mm ± 0.2 mm (*0.23622 ± 0.0079*) Conductor material (signal/24V) copper bare Sielding no Max. acceleration 5 m/s² Max. tarvel distance 100 mlilion Max. tarvel distance 100 mlilion Max. tarvel distance 100 mlilion Material jacket PUR (polyurethane) Material jacket, further veid*-spatter resistant, low adhesion Material jacket, further Weid*-patter nesistant, low adhesion Wire solution material TPE (thermoplastic elastomer) Printing on the jacket Weit Marcelosure for the jacker Wire String only Wire Materid jacket Weit <	Insulation resistance	≥ 500 MΩ/km
Mechanical data Conductor construction (signal/24V) 28 x 0.15 mm, conductor class 6 according to DIN VDE 0295 Corss section 4 x 0.5 mm² (AWG20) Min. bending radius, moved 7.5 x outer cable diameter Min. bending radius, fixed installation 4 x outer cable diameter Weight 53.6 kg/km (36.02 lb/1000 ft) Outer cable diameter 6.0 mm ± 0.2 mm (* 0.23622 ± 0.0079*) Conductor material (signal/24V) copper bare Shielding no Use robotic- and drag chain suitable Max. acceleration 5 m/s² Max. travel distance 100 m Material jacket PUR (polyurethane) Material jacket, further characteristics of welf-spatter resistant, low adhesion Wire insulation material TPE (thermoplastic elastomer) Printing on the jacket TPE (thermoplastic elastomer) Printing on the jacket XXXXm Beckhoff Automation GmbH & Co. KG -Germany-Sensor ZB9045-4x0,5mm² E170315 cRUus AWM STYLE 20233 AWM MII A/B 80°C 300V FT1 Printing on the jacket 15 cycle/min. Number of torsion cycles 10 million	Wire resistance (signal/24V)	ca. 39 Ω/km
Conductor construction (signal/24Y)28 x 0.15 mm, conductor class 6 according to DIN VDE 0295Cross exction4 x 0.5 mm² (AWG20)Min. bending radius, fixed7.5 x outer cable diameterMin. bending radius, fixed4 x outer cable diameterWeight53.6 kg/km (36.02 lb/1000 ft)Outer cable diameter6.0 mm ± 0.2 mm (* 0.2362 ± 0.0079*)Conductor material (signal/24V)copper bareShieldingnoUserobotic- and drag chain suitableMax. acceleration5 m/s²Max. acceleration5 m/s²Max. number of cycles100 mlilonJacket colourblackMaterial jacket, further characteristics ofwild-spatter resistant, low adhesionWire insulation materialTPE (thermoplastic elastomer)Printing on the jacketWitk Blue, black, brownWire insulation materialTPE (thermoplastic elastomer)Printing on the jacketwilk Blue, black, forUMH // HI & B0°C 300V FTIPrinting on the jacketin Ba.x. 360°/mTorsion angle in */mmax. ± 360°/mNumber of torsion cycles10 million	Test voltage	≥ 2000 V
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Outer cable diameter6.0 mm ± 0.2 mm ("0.23622 ± 0.0079")Conductor material (signal/24V)copper bareShieldingnoUserobotic- and drag chain suitableMax. acceleration5 m/s²Max. speed3.3 m/sMax. travel distance100 mMax. number of cycles10 millionJacket colourblackMaterial jacket, further characteristics ofweld-spatter resistant, low adhesionWire colour codewhite, blue, black, brownWire insulation materialTPE (thermoplastic elastomer)Printing on the jacketXXXM Beckhoff Automation GmbH & Co. KG -Germany-Sensor ZB9045-4x0,5mm² E170315 cRUus AWM STYLE 20233 AWM I/II A/B 80°C 300V FT1Printing colourwhiteNumber of torsion cycles10 million	Min. bending radius, fixed installation	4 x outer cable diameter
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Printing on the jacket XXXXm Beckhoff Automation GmbH & Co. KG -Germany-Sensor ZB9045-4x0,5mm² E170315 cRUus AWM STYLE 20233 AWM I/II A/B 80°C 300V FT1 Printing colour white Torsion angle in °/m max. ± 360°/m Torsion speed 15 cycle/min. Number of torsion cycles 10 million	Wire colour code	white, blue, black, brown
AWM I/II A/B 80°C 300V FT1 Printing colour white Torsion angle in °/m max. ± 360°/m Torsion speed 15 cycle/min. Number of torsion cycles 10 million	Wire insulation material	TPE (thermoplastic elastomer)
Torsion angle in °/m max. ± 360°/m Torsion speed 15 cycle/min. Number of torsion cycles 10 million	Printing on the jacket	XXXXm Beckhoff Automation GmbH & Co. KG -Germany-Sensor ZB9045-4x0,5mm ² E170315 cRUus AWM STYLE 20233 AWM I/II A/B 80°C 300V FT1
Torsion speed 15 cycle/min. Number of torsion cycles 10 million	Printing colour	white
Number of torsion cycles 10 million	Torsion angle in °/m	max. ± 360°/m
	Torsion speed	15 cycle/min.
Claimed torsion length 2 m	Number of torsion cycles	10 million
	Claimed torsion length	2 m

BECKHOFF New Automation Technology

Environmental data	
Operation temperature range, moved	-30 °C +105 °C, -22 °F+221 °F, UL: up to +80 °C (+176 °F)
Operation temperature range, fixed installation	-40+105 °C, -40+221 °F
Oil resistance	very good oil and chemical resistance
LABS-free	yes
Flame-retardant	according to IEC 60332-1
Halogen-free	yes
Silicone-free	yes

Notes

- The following length tolerances apply: 2-3 %

Ordering information	Length
ZB9045	sold by the metre

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