



Power cable | Power cable 4 x 0.34 mm², TPE-U (PUR), drag chain suitable

Electrical data	
Rated voltage	≤ 300 V (AC)
Test voltage	≥ 3000 V (AC)
Conductor resistance	max. 58 Ω/km (20 °C)
Specific resistance	≥ 10 ¹⁶ Ω*cm (20 °C)
Insulation resistance	≥ 1 GΩ*km (20 °C)
Mechanical data	
Conductor construction (ethernet)	42 x 0.10 mm
Cross section (ethernet)	0.34mm ² (AWG22)
max. Bending radius, moved	10x cable outer diameter
max. Bending radius, fixed installation	5 x cable outer diameter
Weight	31 kg/km (20.83 lb/1000ft)
Cable outer diameter	4.7 mm ±0.15mm (0.185" ± 0.0059")
Conductor material (ethernet)	Copper blank
max. Acceleration	≤ 10 m/s ²
max. Speed	≤ 3 m/s
Travel distance	≤ 10 m
max. Number of cycles	≥ 4 million
Wall thickness of wire insulation	≥ 0.21 mm
Wall thickness of jacket	0.8 mm
Jacket color	black similar to RAL 7021
Jacket material	PUR (polyurethane)
Wire insulation material	brown, white, blue, black
Wire insulation material	PP (polypropylene)
Printing on the jacket	"sequential length in meters" 4x0.34mm ² E242293 (cULus-Symbol) AWM STYLE 20549 80C 300V AWM I A/B 80C 300V FT2
Printing color	white
Environmental data	
Operation temperature range, moved	-25 °C up to 80 °C (-13 °F up to 176 °F)
Operation temperature range, fixed installation	-40 °C up to 80 °C (-40 °F up to 176 °F)
Halogen-free	according to DIN VDE 0472 part 815 (plastic) DIN EN 50267-2-1 (flue gas)
Flame-retardant	according to UL 758/1581 (horizontal) UL 758/1581 (cUL-FT2) DIN EN 60332-2-2 (20s)
Smoke density	(transmission factor < 60%)

Beckhoff® and EtherCAT are registered trademarks of Beckhoff. Information is subject to change without notice and warranted only to the extent agreed in the terms of contract. Beckhoff Automation GmbH & Co.KG, Huelshorstweg 20, 33415 Verl, Germany, Tel.: +49 (0) 5246 963 0, Fax.: +49 (0) 5246 963 149, <http://www.beckhoff.com>

Oil resistance	according to DIN EN 60811-2-1 168 h 100°C (DIN VDE 0282-10...±40%/...±30% >TMPU)
Further resistances	based on polyether, hydrolysis resistance, microbe resistant, resistant to sea water, low adhesion, abrasion resistant
Acid, lye and solvent resistance	depends on medium, concentration, temperature and time

Ordering information	
ZB9050	Cable sold by meter