



**Industrial-Ethernet/EtherCAT-Cable | PUR, drag chain usable, highflex, 1x4xAWG26**

Electrical data									
Rated voltage	30V								
Attenuation of shielding	≥43dB								
Insulation resistance	150MΩ*km								
Capacity unbalanced to ground	3400pF/km								
Mutual capacitance	51pF/km (1kHz)								
Characteristic impedance	100Ω ±15Ω (100Mhz)								
Loop resistance	250Ω/km								
Unbalanced resistance	2%								
Attenuation [dB/100m]	Frequency (MHz)	1	4	10	16	20	31.25	62.5	100
	typ. Value (db/100m)	3.15	6.45	9.9	12.3	13.8	17.7	25.65	33
	(db/100ft)	0.96	1.97	3.0	3.75	4.2	5.4	7.8	10.1
Near crosstalk [dB]	Frequency (MHz)	1	4	10	16	20	31.25	62.5	100
	typ. Value (db/100m)	62	53	47	44	42	40	35	32
	(db/100ft)	19	16	14.3	13.4	12.8	12.2	10.7	10
Dielectric strength wire/wire	1000VDC / 700VAC								
Dielectric strength wire/shield	1000VDC / 700VAC								
Signal running time	5.55 ns/m								
Electrical parameters	based on CAT5								
Test voltage	700V								
Mechanical data									
Cable structure	star quad								
Conductor construction	19x0.1mm								
Cross section	0.14mm <sup>2</sup> (AWG26)								
max. Bending radius, moved	20x cable outer diameter								
max. Bending radius, fixed installation	4x cable outer diameter								
Weight	40kg/km (26.9lb/1000ft)								
Cable outer diameter	5.4mm ±0.2mm (0.213")								
Conductor material	copper, tinned								
Optical covering factor of shielding	90%								
max. Acceleration	15m/s <sup>2</sup>								
max. Speed	10m/s								

<b>max. Number of cycles</b>	20 million
<b>Wall thickness of wire insulation</b>	0.25mm
<b>Wall thickness of jacket</b>	1.0mm
<b>Jacket color</b>	green
<b>Jacket material</b>	PUR (polyurethane)
<b>Wire insulation material</b>	white, yellow, blue, orange
<b>Wire insulation material</b>	PP (polypropylene)
<b>Printing on the jacket</b>	"sequential length in meters" Industrial Ethernet Cat5 trailing * E130266 "UL Recognized" UL AWM 20963 80 °C 30V * ZB9032 "month/year" " internal order number"
<b>Printing color</b>	black
<b>Environmental data</b>	
<b>Operation temperature range, moved</b>	-20°C up to 60°C (-4°F up to 140°F)
<b>Operation temperature range, fixed installation</b>	-40°C up to 80°C (-40°F up to 176°F)
<b>UV resistance</b>	yes
<b>Oil resistance</b>	according to nach EN 60811-2-1 (7x24h/90°C)
<b>Acid, lye and solvent resistance</b>	depends on medium, concentration, temperature and time
<b>Other characteristics</b>	RoHS-conform, flame resistant, free from harmful substances, halogen, silicon, CFC
<b>approvals</b>	UL
<b>Ordering information</b>	
<b>ZB9032</b>	product sold by meter