



- 1 | Tx+
- 2 | Rx+
- 3 | Rx-
- 4 | Tx-

Plug, 4-pin

EtherCAT cable | M8 plug straight, 4-pin – open end

Electrical data	ZK1090-3100-3xxx
Rated voltage	30 V (according to IEC 61076-2-101)
Rated current	4 A at 40 °C (according to IEC 61076-2-101)
Insulation resistance	≥ 500 MΩ/km
DC resistance	125 Ω/km
Nominal impedance	100 MHz, (100 ±5) Ω
Shielding	aluminium-clad foil, braiding of tinned copper wires
Electrical parameters	CAT 5e, according to EN 50288-2-2

Mechanical data	
Protection class	IP 67 in screwed condition (according to IEC 60529)
Ambient temperature	-30 °C...+80 °C (according to IEC 60644-1)
Insertion cycles	≤ 100 (according to IEC 60512-9a)
Contamination level	3/2 (according to IEC 60664-1)

Mechanical properties cable	
Temperature range (cable)	-40 °C...+80 °C
Cable outside diameter	4.90 ±0.20 mm
Bending radius	7 x D, single 5 x D
Approbations	UL Style 2464
Material properties	RoHS-compliant, halogen-free, flame-resistant as per IEC 60332-1-2
Wire pair 1	7 x 0.167 (26AWG) BU/OR/WHBU/WHOR

Materials	
Contact material	CuZn
Contact surface	Ni, Au gal.
Contact carrier/body	TPU GF, UL 94/TPU, UL 94
Coupling screw/nut	CuZn, Ni
Seal	FPM
Cable	PVC, 4-wire, green, star quad

Ordering information	cable length
ZK1090-3100-3020	2.00 m
ZK1090-3100-3050	5.00 m