



Plug M12, 5-pin

CANopen/DeviceNET cable | M12 plug, straight, 5-pin – open end

Electrical data	ZK1052-6100-3xxx
Rated voltage	160 V (according to IEC 61076-2-101)
Rated current	4 A at 40 °C (according to IEC 61076-2-101)
Insulation resistance	≥ 20 MΩ*km
Line capacitance	39.8 pF/m
Nominal impedance	1 MHz, (120 ±12) Ω
Shielding	aluminium-clad foil, braiding of tinned copper wires
Attenuation	1000 kHz: 2.29 dB/100 m 500 kHz: 1.64 dB/100 m 125 kHz: 0.95 dB/100 m

Mechanical data	
Protection class	IP 67 in screwed condition (according to IEC 60529)
Ambient temperature	-20 °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	
Ambient temperature	-20 °C...+80 °C
Cable outside diameter	6.90 ±0.30 mm
Bending radius	10 x D
Approbations	UL Style 119100 VOL.1 SEC.17 Page 4
Material properties	flame-resistant as per UL 1685 (CSA FT 4), oil-resistant as per 1581 Sec. 480 (60°)
Wire pair 1	19 x 0.13 mm, WH/BU
Wire pair 2	19 x 0.16 mm, RD/BK

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, grey

Ordering information	Cable length
ZK1052-6100-3020	2.00 m
ZK1052-6100-3050	5.00 m
ZK1052-6100-3100	10.00 m