



Connection technology

M12 CAN cables ecolink for mobile machines



For use in mobile and
robust applications

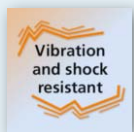
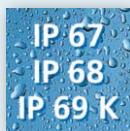


Large cable cross-section for
voltage drop reduction

Permanent vibration protection
due to saw tooth contour

Optimum sealing even when
fastened by hand

The mechanical end stop
protects the O-ring against
destruction



Maximum reliability for mobile applications

The increased cable cross-section of $2 \times 0.75 \text{ mm}^2$ (voltage supply) and $2 \times 0.5 \text{ mm}^2$ (CAN) allows for transmission of high currents with low voltage drop and for reliable data transfer.

The integrated end stop protects the O-ring against destruction caused by over-tightening the nut. No tools needed for installation and removal by hand. The asymmetrically acting vibration protection holds the nut tight in its position, guaranteeing optimum and permanent sealing. High-quality materials and intense monitoring during and after the production guarantee the highest quality standard.

Therefore, these CAN cables are perfectly suited for robust indoor and outdoor applications on vehicles and mobile machines.



Technical data:

Operating voltage: 30 V AC / 36 V DC
 Current rating: 4 A
 Protection rating: IP 65, IP 67, IP 68, IP 69K
 in locked condition with the matching counterpart.
 Tightening torque: 0.6 Nm – 1.5 Nm
 Vibration / shock: 750 g, 1 million cycles

Cable:

Drain wire (screen): 0.75 mm²
 Voltage supply: 2 x 0.75 mm²
 CAN: 2 x 0.5 mm²
 Drag chain: > 5 million cycles

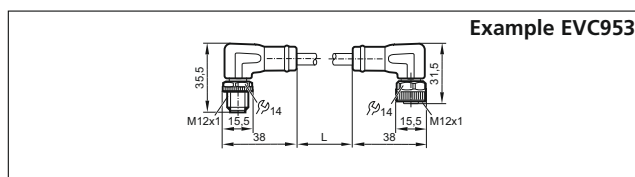
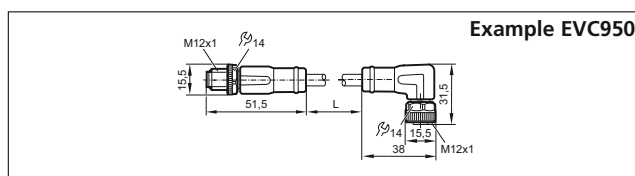
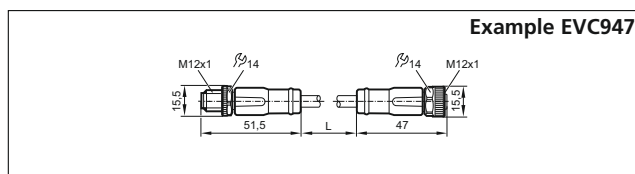
Approvals:

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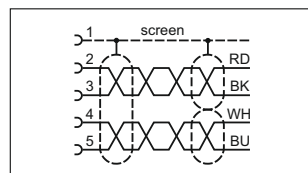
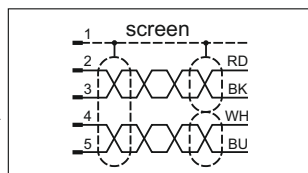
Applications:

EVC factory automation, machine tool industry;
 use in mobile machines

Dimensions



Wiring diagram



Products

Type	Description	Order no.
Connection cable M12 connector		
	2.0 m	EVC943
	5.0 m	EVC944
	2.0 m	EVC945
	5.0 m	EVC946
Connection cable M12 socket		
	2.0 m	EVC939
	5.0 m	EVC940
	2.0 m	EVC941
	5.0 m	EVC942
Connection cable with terminating resistor 120 Ω, M12 socket		
	2.0 m	EVC957
	5.0 m	EVC958
	2.0 m	EVC959
	5.0 m	EVC960
	10.0 m	EVC961
Connection cable M12 connector / M12 socket		
	1.0 m	EVC947
	2.0 m	EVC948
	5.0 m	EVC949
Connection cable M12 connector / M12 socket		
	1.0 m	EVC950
	2.0 m	EVC951
	5.0 m	EVC952
Connection cable M12 connector / M12 socket		
	1.0 m	EVC953
	2.0 m	EVC954
	5.0 m	EVC955
	10.0 m	EVC956
Connection cable with terminating resistor 120 Ω, M12 connector / M12 socket		
	2.0 m	EVC962
	5.0 m	EVC963
	10.0 m	EVC964
Connection cable with terminating resistor 120 Ω, M12 connector / M12 socket		
	2.0 m	EVC965
	5.0 m	EVC966
	10.0 m	EVC967

We reserve the right to make technical alterations without prior notice. · 11/2020