

# EVC542



## Female cordset

ADOAH040MSS0005K04



### Application

System	Free from silicone; Halogen-free; gold-plated contacts; screened cable; Drag chain suitability
Application	Industrial applications; Oils and coolants
Free from silicone	yes

### Electrical data

Operating voltage [V]	< 50 AC / < 60 DC
Protection class	III
Max. current load total [A]	4

### Operating conditions

Ambient temperature [°C]	-25...90
Note on ambient temperature	cULus: ...75
Ambient temperature (moving) [°C]	-25...90
Note on ambient temperature (moving)	cULus: ...75
Protection	IP 65; IP 67

### Mechanical data

Weight [g]	211.5
Dimensions [mm]	26.5 x 15.5 x 36.5
Molded-body material	TPU (urethane)
Material nut	brass, nickel-plated
Sealing material	FKM
Drag chain suitability	yes

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Drag chain suitability	Bending radius for flexible applications	min. 10 x cable diameter
	Travel speed	max. 3.3 m/s for a horizontal travel length of 5 m and max. acceleration of 5 m/s <sup>2</sup>
	Bending cycles	≥ 2 Mio.
	Torsional strain	± 180 °/m

### Remarks

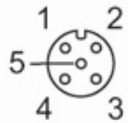
Pack quantity 1 pcs.

### Electrical connection

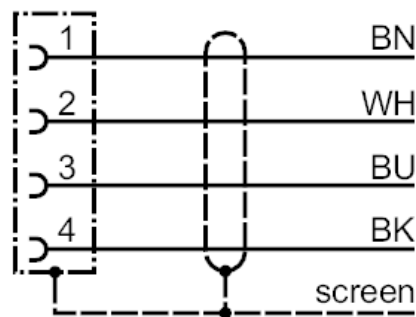
Cable: 5 m, PUR, Halogen-free, black, Ø 4.9 mm, screened; 4 x 0.34 mm<sup>2</sup> (42 x Ø 0.1 mm )

### Electrical connection - Socket

Connector: 1 x M12, angled; coding: A; Moulded body: TPU (urethane), orange; Locking: brass, nickel-plated; sealing: FKM;  
Contacts: gold-plated; Tightening torque: 0.6...1.5 Nm; Shielded connection cable: shield connected



### Connection



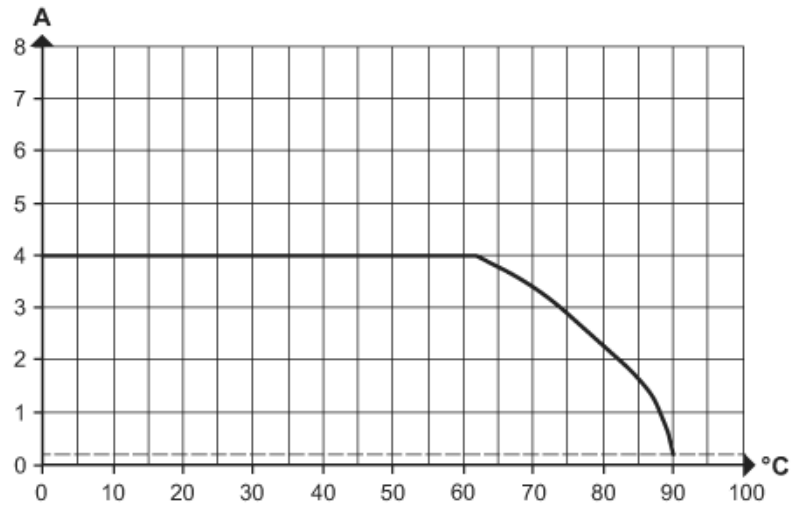
Core colors :  
BK = black  
BN = brown  
BU = blue  
WH = white



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### Diagrams and graphs

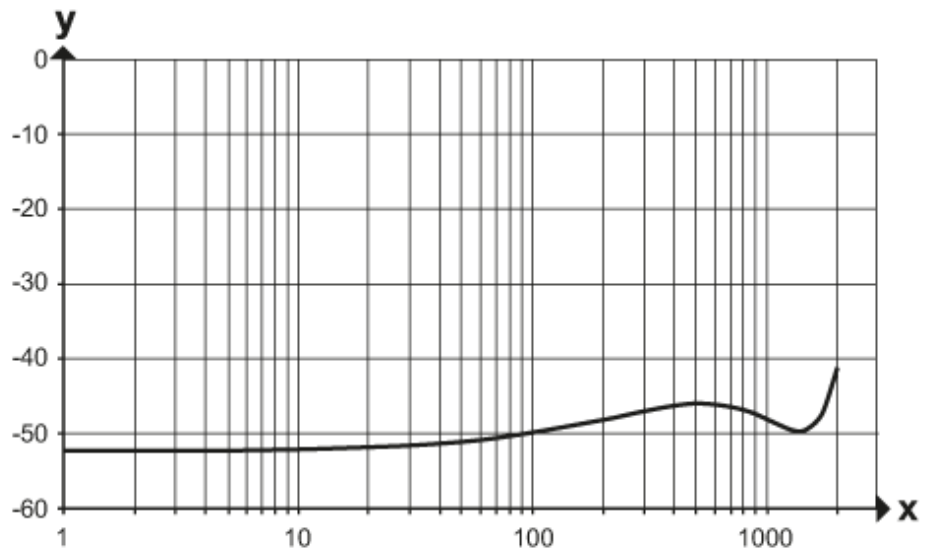


Derating  $I_{max} * 0.8$  DIN EN 60512-5-2

X Ambient temperature [°C]

Y Current [A]

### Shielding characteristics



x Frequency (MHz)

y Shielding characteristics (dB)

according to DIN EN 60512-23-3