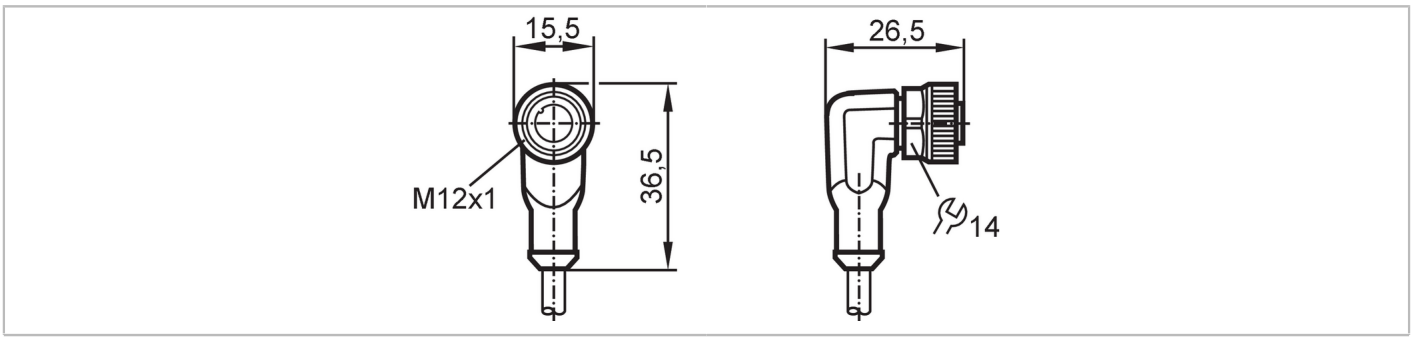
EVC542

Connecting cable with socket

ADOAH040MSS0005K04



Application		
Special feature		Free from silicone; Halogen-free; Gold-plated contacts; Screened cable; Drag chain suitability
Application		Industrial applications / factory automation; Use in machine tools, coolants and lubricants
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
Moulded-body material		TPU
Material nut		brass, nickel-plated
Sealing material		FKM
Drag chain suitability		yes
Drag chain suitability	bending radius for flexible use	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/s²
	bending cycles	≥ 2 Mio.
	torsional strain	± 180 °/m
Remarks		
Pack quantity		1 pcs.

EVC542

Connecting cable with socket

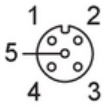
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Electrical connection

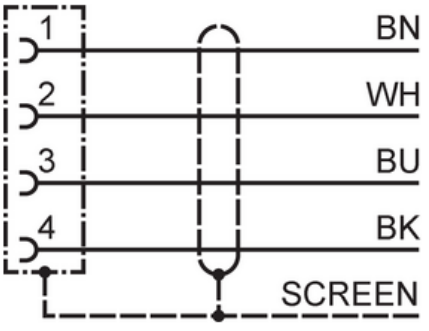
Cable: 5 m, PUR, Halogen-free, black, Ø 4.9 mm, shielded; 4 x 0.34 mm² (42 x Ø 0.1 mm)

Electrical connection - socket

Connector: 1 x M12, angled; coding: A; Contacts: 4, gold-plated; Moulded body: TPU, orange; Locking: brass, nickel-plated; Sealing: FKM; Tightening torque: 0.6...1.5 Nm; Shielded connection cable: screen connected



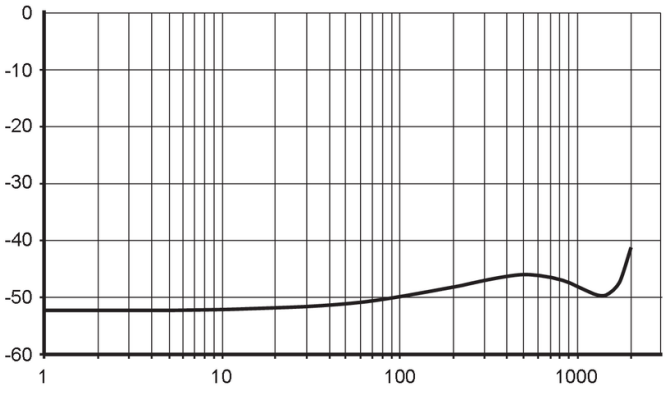
Connection



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

Diagrams and graphs

Shielding characteristics



x frequency (MHz)

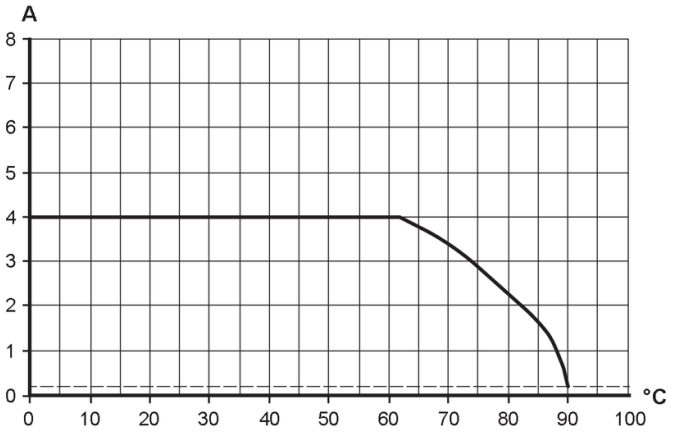
y Shielding characteristics (dB)

according to DIN EN 60512-23-3

EVC542

Connecting cable with socket

ADOAH040MSS0005K04



Derating Imax * 0.8 DIN EN 60512-5-2

X Ambient temperature [°C]

Y Current [A]