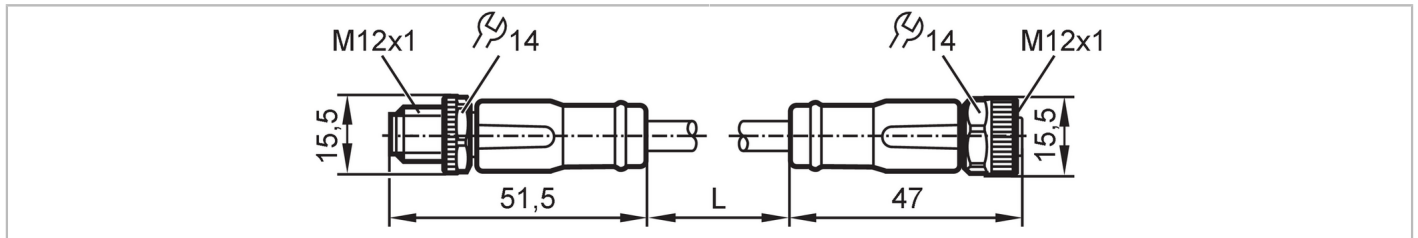


# EVCB50



## Connection cable

VDOGH040MSS0005K04STGH040MSS



Application		
Special feature	Free from silicone; Halogen-free; gold-plated contacts; screened cable; Drag chain suitability	
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	
Ambient temperature (moving) [°C]	-25...90	
Storage temperature [°C]	-25...55	
Storage humidity [%]	10...100	
Other climatic conditions for storage according to stated class	1K22/ DIN 60721-3-1	
Protection	IP 65; IP 67	
Mechanical data		
Weight [g]	233.1	
Molded-body material	TPU (urethane)	
Material nut	brass, nickel-plated	
Sealing material	FKM	
Drag chain suitability	yes	
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 - plug		
Connector: 1 x M12, straight; coding: A; Contacts: 4, gold-plated; Moulded body: TPU (urethane), orange; Locking: brass, nickel-plated; Tightening torque: 0.6...1.5 Nm; Shielded connection cable: shield connected		

# EVCB50



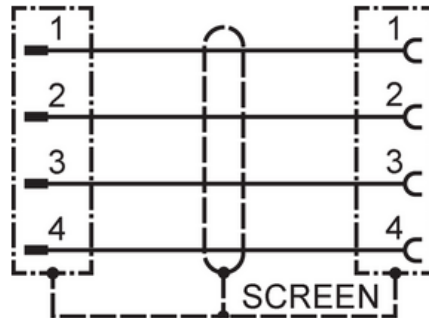
## Connection cable

VDOGH040MSS0005K04STGH040MSS

### Electrical connection

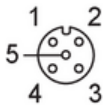
Cable: 5 m, PUR, Halogen-free, black,  $\varnothing$  4.9 mm, screened; 4 x 0.34 mm<sup>2</sup> (42 x  $\varnothing$  0.1 mm )

### Connection



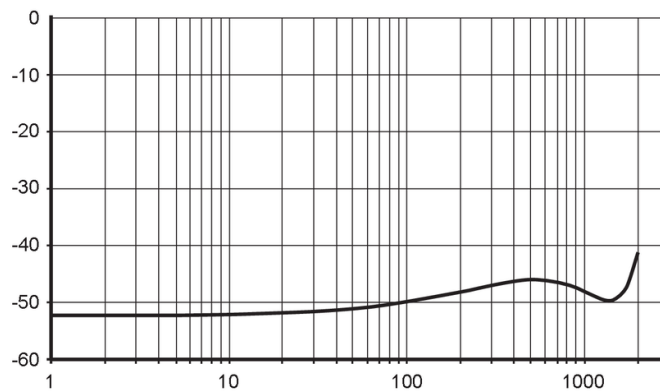
### Electrical connection - Socket

Connector: 1 x M12, straight; coding: A; Contacts: 4, gold-plated; Moulded body: TPU (urethane), orange; Locking: brass, nickel-plated; sealing: FKM; Tightening torque: 0.6...1.5 Nm; Shielded connection cable: shield connected



### Diagrams and graphs

#### Shielding characteristics



x Frequency (MHz)  
y Shielding characteristics (dB)  
according to DIN EN 60512-23-3