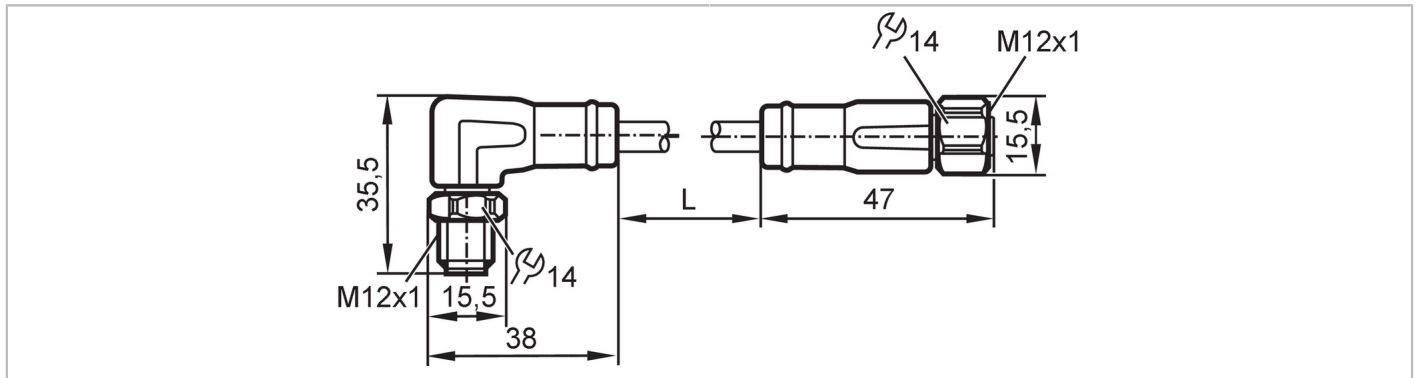


# EVF506



## Connection cable

VDOGH040VAP0001P04STAH040VAP



Application									
Special feature	Free from silicone; Halogen-free; gold-plated contacts; Drag chain suitability								
Application	sanitary and wet areas in the food industry								
Free from silicone	yes								
Electrical data									
Operating voltage [V]	< 250 AC / < 300 DC								
Protection class	II								
Max. current load total [A]	4								
Operating conditions									
Ambient temperature [°C]	-25...100								
Ambient temperature (moving) [°C]	0...100								
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; IP 68; IP 69K								
Mechanical data									
Weight [g]	101.9								
Dimensions [mm]	35.5 x 15.5 x 38								
Molded-body material	PP, Halogen-free								
Material nut	stainless steel (1.4404 / 316L)								
Sealing material	EPDM								
Drag chain suitability	yes								
Drag chain suitability	<table border="1"> <tr> <td>Bending radius for flexible applications</td> <td>min. 10 x cable diameter</td> </tr> <tr> <td>Travel speed</td> <td>max. 3.3 m/s for a horizontal travel length of 5 m and max. acceleration of 5 m/s<sup>2</sup></td> </tr> <tr> <td>Bending cycles</td> <td>&gt; 1 Mio.</td> </tr> <tr> <td>Torsional strain</td> <td>± 180 °/m</td> </tr> </table>	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	> 1 Mio.	Torsional strain	± 180 °/m
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	> 1 Mio.								
Torsional strain	± 180 °/m								
Remarks									
Pack quantity	1 pcs.								

# EVF506



## Connection cable

VDOGH040VAP0001P04STAH040VAP

### Electrical connection - plug

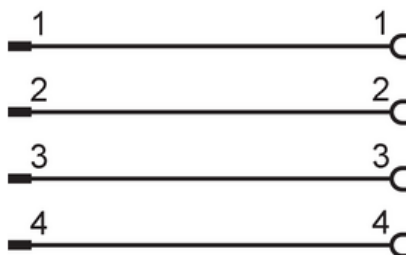
Connector: 1 x M12, angled; coding: A; Contacts: 4, gold-plated; Moulded body: PP, Halogen-free; Locking: stainless steel (1.4404 / 316L); Tightening torque: 0.6...1.2 Nm



### Electrical connection

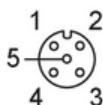
Cable: 1 m, MPPE, Halogen-free, grey, Ø 6.2 mm; 4 x 1.00 mm<sup>2</sup> (32 x Ø 0.2 mm )

### Connection



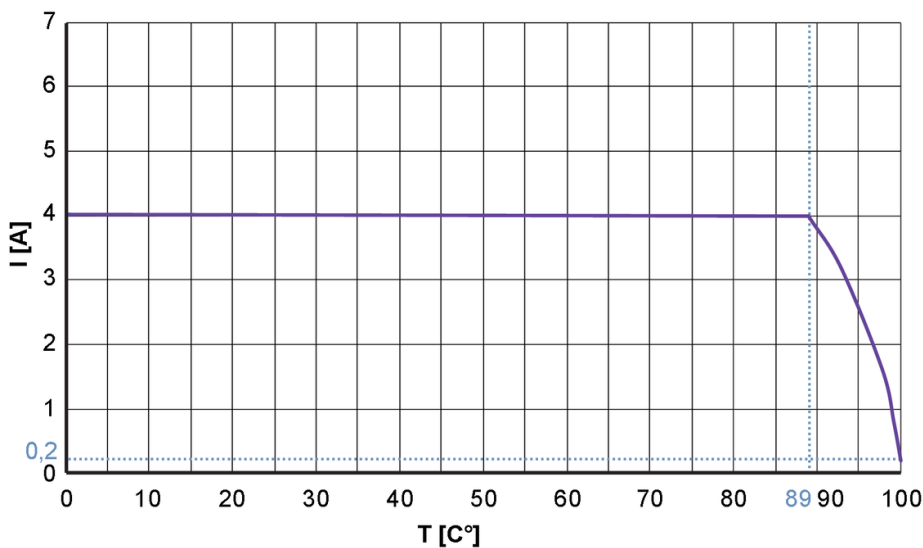
### Electrical connection - Socket

Connector: 1 x M12, straight; coding: A; Contacts: 4, gold-plated; Moulded body: PP, Halogen-free; Locking: stainless steel (1.4404 / 316L); sealing: EPDM; Tightening torque: 0.6...1.5 Nm



### Diagrams and graphs

Characteristic curve for derating



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

T Ambient temperature [°C]

I Current [A]