

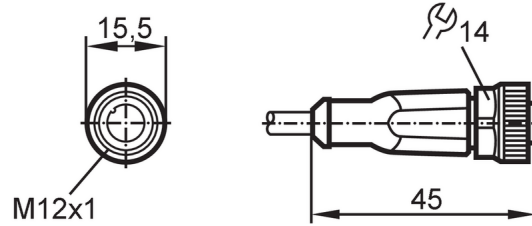
# EVC198



## Connecting cable with socket

ADOGH050MSS0020H05

Please see the technical note under "Downloads"



### Application

Special feature	Free from silicone; Halogen-free; Gold-plated contacts; Drag chain suitability
Application	Industrial applications / factory automation; Use in machine tools, coolants and lubricants
Free from silicone	yes

### Electrical data

Operating voltage [V]	< 60 AC/DC
Protection class	II
Max. current load total [A]	4
Overall current rating (UL) [A]	3

### 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
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]	696.5								
Dimensions [mm]	15.5 x 15.5 x 45								
Moulded-body material	TPU								
Material nut	brass, nickel-plated								
Sealing material	FKM								
Drag chain suitability	yes								
Drag chain suitability	<table border="1"> <tr> <td>bending radius for flexible use</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; 5 Mio.</td> </tr> <tr> <td>torsional strain</td> <td>± 180 °/m</td> </tr> </table>	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/s <sup>2</sup>	bending cycles	> 5 Mio.	torsional strain	± 180 °/m
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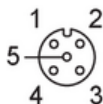
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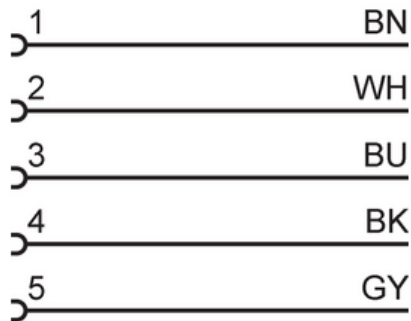
Remarks	
Notes	Please see the technical note under "Downloads"
Pack quantity	1 pcs.

**Electrical connection**  
 Cable: 20 m, PUR, Halogen-free, black, Ø 4.6 mm; 5 x 0.34 mm<sup>2</sup> (42 x Ø 0.1 mm )

**Electrical connection - socket**  
 Connector: 1 x M12, straight; coding: A; Contacts: 5, gold-plated; Moulded body: TPU, orange; Locking: brass, nickel-plated;  
 Sealing: FKM; Tightening torque: 0.6...1.5 Nm

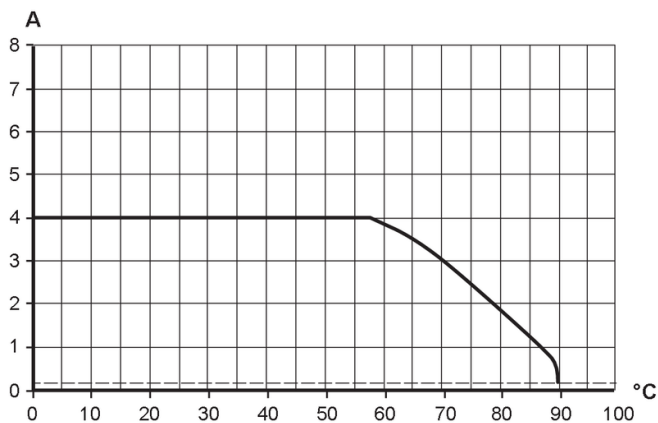


### Connection



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

### Diagrams and graphs



Derating I<sub>max</sub> \* 0.8 DIN EN 60512-5-2

X Ambient temperature [°C]  
 Y Current [A]