

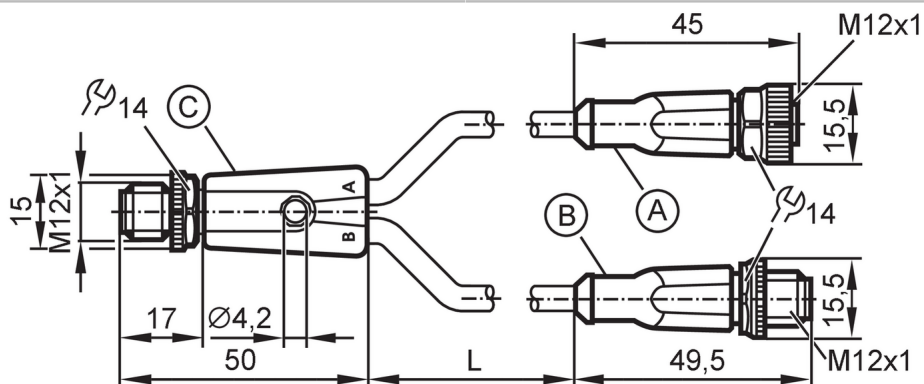
# EVC693



## Y connection cable

YDSGHDA0MSS0001HDASTGH030MSS

Please see the technical note under "Downloads"



Application		
Special feature	Free from silicone; Halogen-free; gold-plated contacts; Drag chain suitability	
Application	Industrial applications; Oils and coolants	
Free from silicone	yes	
Electrical data		
Operating voltage [V]	< 24 DC	
Protection class	III	
Max. current load total [A]	4	
Operating conditions		
Ambient temperature [°C]	-25...90	
Protection	IP 65; IP 67; IP 68; IP 69K	
Mechanical data		
Weight [g]	114.21	
Molded-body material	TPU (urethane) / TPU (urethane)	
Material nut	brass, nickel-plated	
Sealing material	FKM	
Connector type	M12	
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	> 5 Mio.
	Torsional strain	± 180 °/m
Remarks		
Notes	Please see the technical note under "Downloads"	
Pack quantity	1 pcs.	

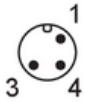


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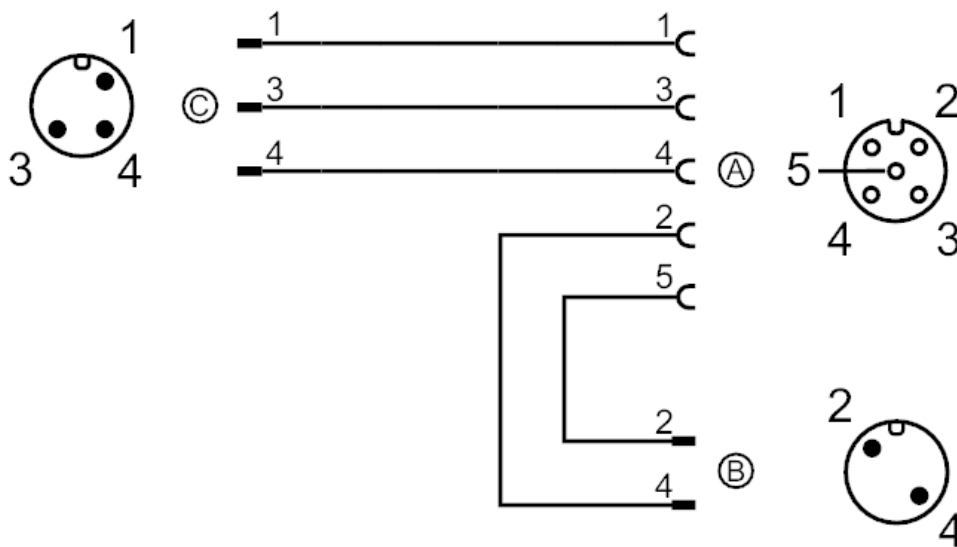
### Electrical connection - plug C

Connector: M12, straight; coding: A; Contacts: 3, gold-plated; Moulded body: TPU (urethane), orange; Locking: knurled nut, brass, nickel-plated; Tightening torque: 0.6...1.5 Nm; Take into account the maximum value of the counterpart!



### Electrical connection

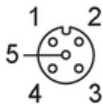
#### Connection



### Electrical connection - Socket A

Cable: 1 m, PUR, Halogen-free, black,  $\varnothing$  4.6 mm; 5 x 0.34 mm<sup>2</sup> (42 x  $\varnothing$  0.1 mm )

Connector: M12, straight; coding: A; Contacts: 5, gold-plated; Moulded body: TPU (urethane), orange; Locking: knurled nut, brass, nickel-plated; sealing: FKM; Tightening torque: 0.6...1.5 Nm; Take into account the maximum value of the counterpart!



### Electrical connection - plug B

Cable: 1 m, PUR, Halogen-free, black,  $\varnothing$  4.9 mm; 2 x 0.34 mm<sup>2</sup> (42 x  $\varnothing$  0.1 mm )

Connector: M12, straight; coding: A; Contacts: 2, gold-plated; Moulded body: TPU (urethane), orange; Locking: knurled nut, brass, nickel-plated; Tightening torque: 0.6...1.5 Nm; Take into account the maximum value of the counterpart!



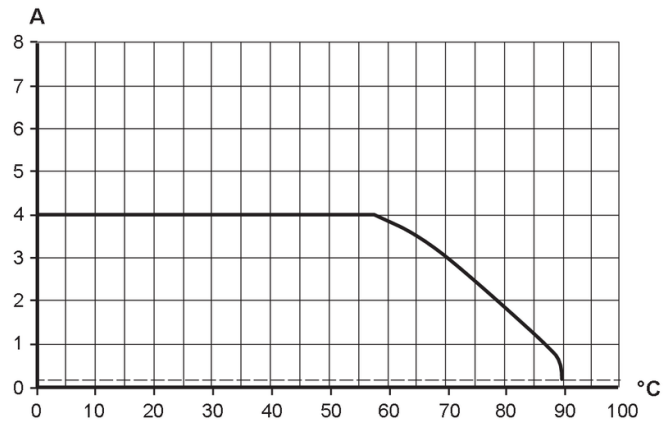
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### Diagrams and graphs



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

X Ambient temperature [°C]

Y Current [A]