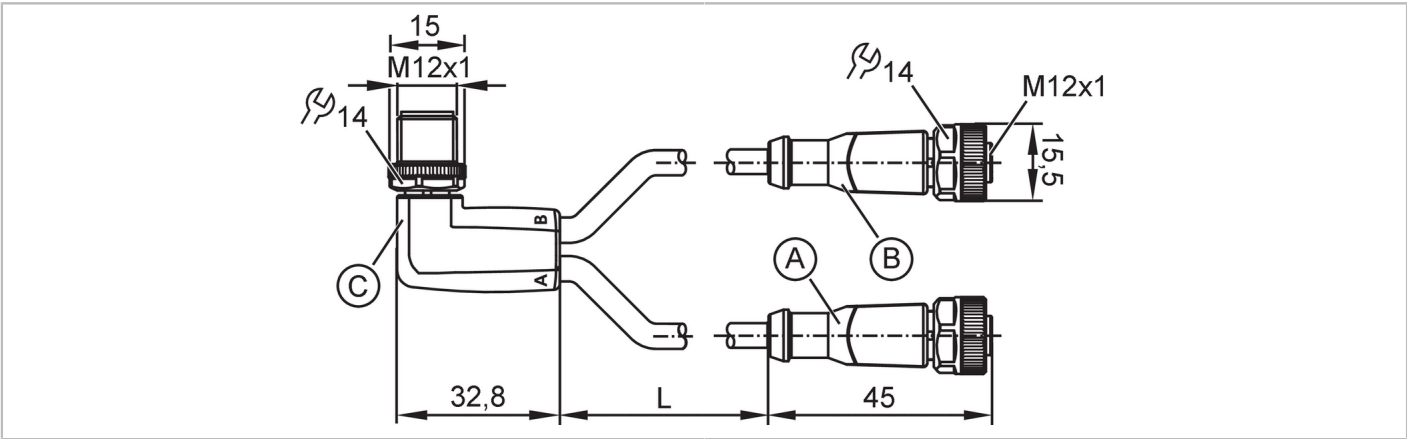


# EVCC59



## Y connection cable

YDOGH040MSS0001H04STAH040MSS



| 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                                                                                  |
| 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; IP 68; IP 69K                                                                 |                                                                                    |
| Mechanical data                                                 |                                                                                             |                                                                                    |
| Weight                                                          | [g]                                                                                         | 106.95                                                                             |
| Moulded-body material                                           | TPU                                                                                         |                                                                                    |
| Material nut                                                    | brass, nickel-plated                                                                        |                                                                                    |
| Sealing material                                                | FKM                                                                                         |                                                                                    |
| Number of ports splitter box                                    | 2                                                                                           |                                                                                    |
| 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                                                                              | > 5 Mio.                                                                           |
|                                                                 | torsional strain                                                                            | ± 180 °/m                                                                          |
| Remarks                                                         |                                                                                             |                                                                                    |
| Pack quantity                                                   | 1 pcs.                                                                                      |                                                                                    |



## Y connection cable

YDOGH040MSS0001H04STAH040MSS

### Electrical connection

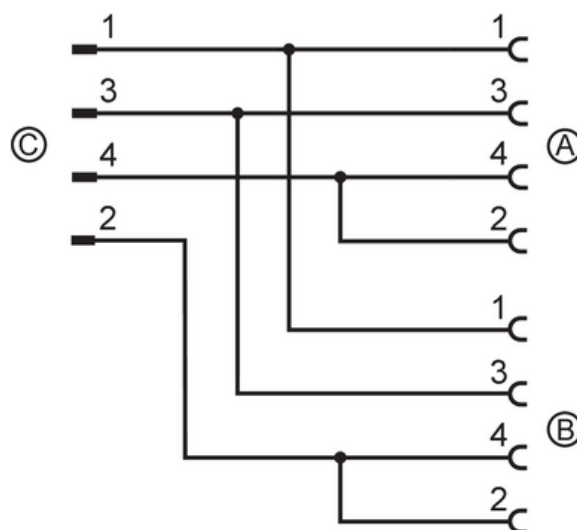
Cable: 1 m, PUR, Halogen-free, black, Ø 4.3 mm; 4 x 0.34 mm<sup>2</sup> (42 x Ø 0.1 mm )

### Electrical connection - plug C

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

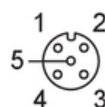


### Connection



### Electrical connection - socket A/B

Connector: 2 x M12, straight; coding: A; Contacts: 4, gold-plated; Moulded body: TPU, orange; Locking: brass, nickel-plated; Sealing: FKM; Tightening torque: 0.6...1.5 Nm

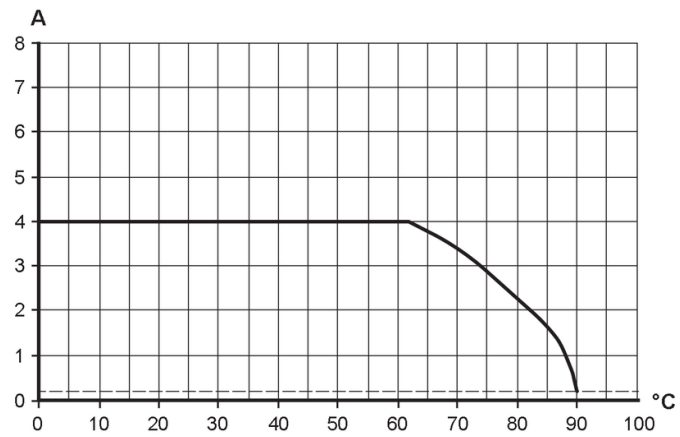




## Y connection cable

YDOGH040MSS0001H04STAH040MSS

### Diagrams and graphs



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

X Ambient temperature [°C]

Y Current [A]