



Part no.: 50104170
KB SSI/IBS-10000-BA
Connection cable



Figure can vary

Contents

- Technical data
- Electrical connection

Technical data

Basic data

| | |
|------------------------|-------------------|
| Suitable for interface | Interbus-S SSI |
|------------------------|-------------------|

Electrical data

Performance data

| | |
|-------------------|-----------------|
| Operating voltage | Max. 30 V AC/DC |
|-------------------|-----------------|

Connection

Connection 1

| | |
|----------------------|--|
| Type of connection | Connector |
| Thread size | M12 |
| Type | Female |
| Handle body material | PUR |
| No. of pins | 5 -pin |
| Encoding | B-coded |
| Design | Axial |
| Lock | Screw fitting, nickel-plated diecast zinc, recommended torque 0.6 Nm, self-locking |

Connection 2

| | |
|--------------------|----------|
| Type of connection | Open end |
|--------------------|----------|

Cable properties

| | |
|-----------------------------------|--|
| Number of conductors | 5 Piece(s) |
| Wire cross section | 0.25 mm ² |
| AWG | 24 |
| Sheathing color | Violet |
| Shielded | Yes |
| Silicone-free | Yes |
| Cable design | Connection cable (open on one end) |
| Cable diameter (external) | 7.5 mm |
| Cable length | 10,000 mm |
| Sheathing material | PUR |
| Wire insulation | PP |
| Suitability for drag chains | Yes |
| Traverse rate | Max. 3.3 m/s with horiz. traverse path of 5m and and max. acceleration of 5m/s ² |
| Properties of the outer sheathing | Free of CFC, cadmium, silicone, halogen and lead, matt, low-adhesion, abrasion-resistant, easily machine-processable |
| Resistance of the outer sheathing | Hydrolysis and microbe resistant, good oil, gasoline and chemical resistance and flame retardant in accordance with DIN EN 60332-1 / VDE 0482-332-1-2 / CSA FT-1 |

Mechanical data

| | |
|---|--------------------------|
| Width across flats | 13 mm |
| Bending cycles | 1,000,000 Piece(s) |
| Bending radius, flexible laying, min. | Min. 10 x cable diameter |
| Bending radius, stationary laying, min. | Min. 5 x cable diameter |

Environmental data

| | |
|--|---------------|
| Ambient temperature, operation, flexible use | -25 ... 60 °C |
|--|---------------|

Part no.: 50104170 – KB SSI/IBS-10000-BA – Connection cable

Ambient temperature, operation, stationary use -50 ... 80 °C

Certifications

Degree of protection IP 65

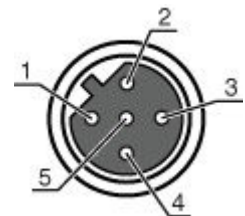
Classification

| | |
|-----------------------|----------|
| Customs tariff number | 85444290 |
| eCl@ss 8.0 | 27279218 |
| eCl@ss 9.0 | 27060311 |
| ETIM 5.0 | EC001855 |
| ETIM 6.0 | EC001855 |

Electrical connection

| Connection 1 | |
|----------------------|--|
| Type of connection | Connector |
| Function | |
| Thread size | M12 |
| Type | Female |
| Material | PUR |
| Handle body material | PUR |
| No. of pins | 5 -pin |
| Encoding | B-coded |
| Design | Axial |
| Lock | Screw fitting, nickel-plated diecast zinc, recommended torque 0.6 Nm, self-locking |

| Pin | Pin assignment | Conductor color |
|-----|----------------|-----------------|
| 1 | DATA+ | Yellow |
| 2 | DATA- | Green |
| 3 | CLK+ | Gray |
| 4 | CLK- | Pink |
| 5 | GND | Brown |



| Connection 2 | |
|--------------------|----------|
| Type of connection | Open end |