

Technical data sheet Interconnection cable

Part no.: 50130632

KSS ET-M12-4A-RJ45-A-P7-010

Contents

- Technical data
- Electrical connection
- Circuit diagrams



Figure can vary



Technical data

Basic data

| | |
|------------------------|----------|
| Suitable for interface | Ethernet |
|------------------------|----------|

Electrical data

Performance data

| | |
|-------------------|---------|
| Operating voltage | 60 V DC |
|-------------------|---------|

Connection

Connection 1

| | |
|----------------------|--|
| Type of connection | Connector |
| Thread size | M12 |
| Type | Male |
| Handle body material | PUR |
| No. of pins | 4 -pin |
| Encoding | D-coded |
| Version | Axial |
| Lock | Screw fitting, nickel-plated diecast zinc, recommended torque 0.6 Nm, self-locking |

Connection 2

| | |
|--------------------|--------|
| Type of connection | RJ45 |
| Type | Male |
| No. of pins | 4 -pin |
| Version | Axial |

Cable properties

| | |
|-----------------------------|---|
| Number of conductors | 4 Piece(s) |
| Wire cross section | 0.34 mm ² |
| AWG | 22 |
| Sheathing color | Green |
| Shielded | Yes |
| Silicone-free | Yes |
| Cable design | Interconnection cable |
| Cable diameter (external) | 6.7 mm |
| Cable length | 1,000 mm |
| Sheathing material | PUR |
| Wire insulation | PP |
| Traverse rate | Max. 3.3 m/s with horiz. traverse path of 5m and max. acceleration of 2m/s ² |
| Suitability for drag chains | Yes |

| | |
|-----------------------------------|--|
| 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 in accordance with VDE 0472 part 803 test B, flame retardant in accordance with UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2 |
|-----------------------------------|---|

Mechanical data

| | |
|---|----------------------------------|
| Width across flats | 13 mm |
| Bending cycles | 2,000,000 Piece(s) |
| Bending radius, flexible laying, min. | One-time min. 5 x cable diameter |
| Bending radius, stationary laying, min. | One-time min. 5 x cable diameter |

Environmental data

| | |
|--|---------------|
| Ambient temperature, operation, flexible use | -20 ... 60 °C |
| Ambient temperature, operation, stationary use | -20 ... 60 °C |

Certifications

| | |
|----------------------|---------------|
| Degree of protection | IP 20 (RJ 45) |
| | IP 65 |
| | IP 67 |

Classification

| | |
|-----------------------|----------|
| Customs tariff number | 85444210 |
| eCl@ss 5.1.4 | 27279201 |
| eCl@ss 8.0 | 27279218 |
| eCl@ss 9.0 | 27060311 |
| eCl@ss 10.0 | 27060311 |
| eCl@ss 11.0 | 27060311 |
| ETIM 5.0 | EC001855 |
| ETIM 6.0 | EC001855 |
| ETIM 7.0 | EC001855 |

Electrical connection

Connection 1

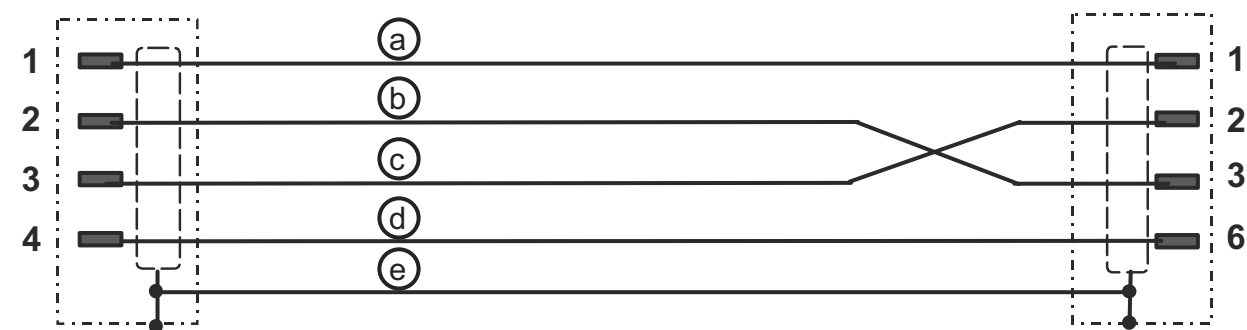
| | |
|----------------------|--|
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| Type | Male |
| Handle body material | PUR |
| No. of pins | 4 -pin |
| Encoding | D-coded |
| Version | Axial |
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Connection 2

| | |
|--------------------|------|
| Type of connection | RJ45 |
|--------------------|------|

Circuit diagrams

Wiring schematic



- a TD+
- b RD+
- c TD-
- d RD-
- e Shield