



SSI Connection Cable

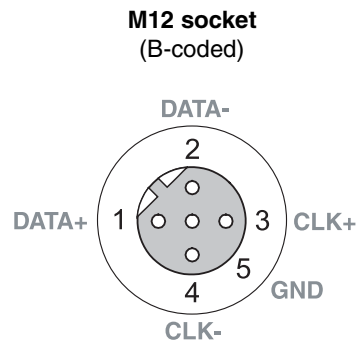
KB SSI ...



Art.-Nr. 501 04606

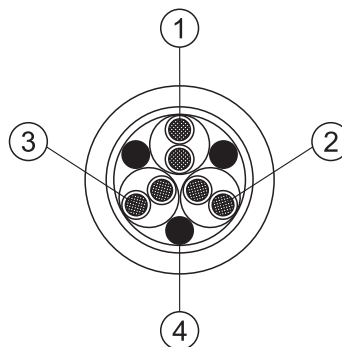
- Can be used for all Leuze products with integrated SSI interface
- Standard cable available in lengths from 2 ... 20m
- Special cable lengths possible on request
- Halogen-free
- Silicone-free
- Suitable for drag chains

Contact assignments



Contact M12 socket	Signal	Colour
1	DATA+	yellow
2	DATA-	green
3	CLK+	grey
4	CLK-	pink
5	GND	brown
Screw connection	Shield	bare

Cable construction



- 1 Conductor pair with insulation **white/brown**
- 2 Conductor pair with insulation **green/yellow**
- 3 Conductor pair with insulation **grey/pink**
- 4 Filler (polyester threads)

All conductor pairs stranded, colours acc. to DIN 47100



We reserve the right to make changes * kb_ssi_e.fm



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Specifications

Cable construction

Conductor	EL-Cu wire, bare, 32 x dia. 0.10mm = 0.25mm ² AWG , fine-stranded
Insulation	TPE, wire diameter 1.30mm
Wire arrangement	2 stranded wires, 3 wire pairs
Wrapping	textile fleece
Shield	C-shield, wire dia. 0.10mm tin-plated, cover ≥ 80%
Armouring	textile fleece
Filler	Polyester threads
Sheathing	Polyetherurethane, matt surface Colour hue: violet RAL 4001, outer diameter 7.30mm,

Electrical data ¹⁾

Line resistance	≤ 96Ω/km
Insulation resistance	≥ 5000Ω·km
Mutual capacitance (strand/strand)	≤ 60nF/km
Intrinsic impedance	100Ω ± 15% at f > 1MHz

Environmental data

Operating temperature range	at rest: -40°C ... +80°C in motion: -5°C ... +60°C
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Other requirements

Materials	free of polybromated diphenyl ethers, HALOGEN-free
Bending radius	≥ 80mm, suitable for drag chains

1) At 20°C

Tables

Diagrams

Order guide

Part No.	Type / length	Designation
501 04172	KB SSI - 2000 - BA	
501 04171	KB SSI - 5000 - BA	
501 04170	KB SSI - 10000 - BA	
501 04169	KB SSI - 15000 - BA	
501 04168	KB SSI - 20000 - BA	

Cable with integral M12 socket with axial design on one end and open wire on the other end

Remarks

Type code:

KB	SSI	-	xxxxx	-	B	A
Abbreviation for cable	Cable for SSI		Cable length [mm]		Cable with socket	Axial design