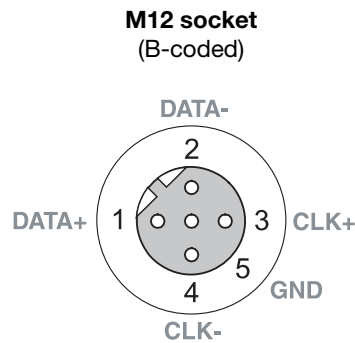


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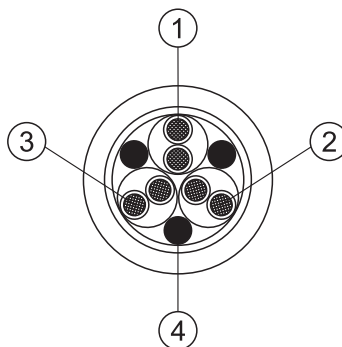
**Contact assignments**



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

- 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

**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 • DS\_AccessoryKB\_SSI\_en\_50104605.fm



**Specifications**

**Cable construction**

Conductor	EL-Cu wire, bare, 32 x dia. 0.10mm = 0.25mm <sup>2</sup> 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 <sup>1)</sup>**

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

**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
50104172	KB SSI - 2000 - BA	
50104171	KB SSI - 5000 - BA	
50104170	KB SSI - 10000 - BA	
50104169	KB SSI - 15000 - BA	
50104168	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