

# System Bus Cable

for **WAGO** *SPEEDWAY 767*

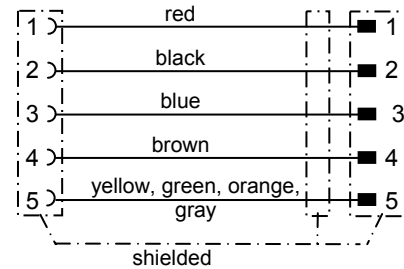
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Data Sheet



M12 Socket

Pin assignment



Description	Item no.	Pack. unit pcs																														
System bus cable, with one end of cable fitted, B coded, M12 socket, right angle, one free cable end, 2.0 m	756-1502/0060-0020	1																														
M12 socket, right angle, one free cable end, 5.0 m	756-1502/0060-0050	1																														
M12 socket, right angle, one free cable end, 10.0 m	756-1502/0060-0100	1																														
M12 socket, right angle, one free cable end, 20.0 m	756-1502/0060-0200	1																														
<p><b>Short description:</b></p> <ul style="list-style-type: none"> <li>• PUR, halogen-free</li> <li>• Drag chain suitability</li> <li>• Free of silicon and CFC</li> <li>• Good resistance to microbes, hydrolysis, oil, ozone and UV radiation. Good chemical resistance.</li> </ul>	<p><b>Technical data</b></p> <p><b>General</b></p> <table border="0"> <tr><td>Operating voltage</td><td>≤ 60 V</td></tr> <tr><td>Operating current</td><td>4 A acc. to IEC 60512-3</td></tr> <tr><td>Rated surge voltage</td><td>1.5 kV acc. to IEC 61076-2-101</td></tr> <tr><td>Insulation resistance</td><td>≥ 5x10<sup>9</sup> Ω</td></tr> <tr><td>Contact resistance</td><td>≤ 10 mΩ acc. to IEC 61076-2-101</td></tr> <tr><td>Resistance of conductor</td><td>≤ 130 Ω/km</td></tr> <tr><td>Pollution degree</td><td>3/2 acc. to IEC 60664-1</td></tr> <tr><td>Degree of protection</td><td>IP67 acc. to IEC 60529</td></tr> <tr><td>Operating temperature</td><td>-30 °C ... +85 °C (static) -0 °C ... +50 °C (moved)</td></tr> </table> <p><b>Drag chain suitability</b></p> <table border="0"> <tr><td>Min. bending radius</td><td>5 x cable Ø</td></tr> <tr><td>Bending cycles</td><td>≥ 5 million</td></tr> <tr><td>Max. acceleration</td><td>9 m/s<sup>2</sup></td></tr> <tr><td>Max. traversing rate</td><td>3 m/s</td></tr> <tr><td>Max. traverse path</td><td>1,8 m horizontal</td></tr> <tr><td>Torsion</td><td>max. 180°/m (EN 50289-3-10)</td></tr> </table>		Operating voltage	≤ 60 V	Operating current	4 A acc. to IEC 60512-3	Rated surge voltage	1.5 kV acc. to IEC 61076-2-101	Insulation resistance	≥ 5x10 <sup>9</sup> Ω	Contact resistance	≤ 10 mΩ acc. to IEC 61076-2-101	Resistance of conductor	≤ 130 Ω/km	Pollution degree	3/2 acc. to IEC 60664-1	Degree of protection	IP67 acc. to IEC 60529	Operating temperature	-30 °C ... +85 °C (static) -0 °C ... +50 °C (moved)	Min. bending radius	5 x cable Ø	Bending cycles	≥ 5 million	Max. acceleration	9 m/s <sup>2</sup>	Max. traversing rate	3 m/s	Max. traverse path	1,8 m horizontal	Torsion	max. 180°/m (EN 50289-3-10)
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### Technical data (continued)

#### Cable

Type code	KS-6Y3GC11Y 4x2xAWG26/19, shielded
Overall shield	Tinned copper braid, optical coverage approx. 90 %
Note	Category 5 according to EN 50173 (2. issue)
	Band width 100 MHz
Conductor	Bare copper wire , AWG 26/19
Insulation	Max. Ø 1.0 mm, FEP.
Outer jacket	Halogen-free polyurethane (PUR) flame resistant acc. to IEC 60332-2-2
Inside jacket	EPDM
Banding	fleece
Color	Yellow, RAL -1021
Cable diameter	Approx. Ø 6.8 mm

#### Connectors

Socket	M12x1, B-coded
Molded body/	
Housing material	TPU/TPU, black (~ RAL 9005)
Contact material	CuZn
Contact plating	CuNi/Au
Knurled nut with hexagonal	CuZn
Knurled nut surface	Nickel-plated
Sealing ring	FPM (Viton)
Mechanical life	Max. 100 mating cycles
Torque	0.6 Nm

#### Accessories

Torque assembly kit incl.	
M8- und M12- Allen key	206-701