

System Bus Cable

1/2

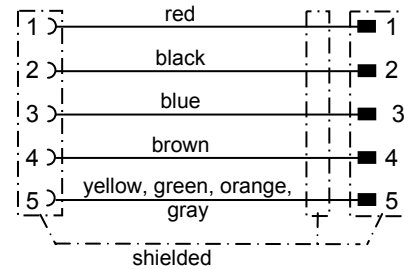
for **WAGO** *SPEEDWAY 767*

Data Sheet



M12 Socket

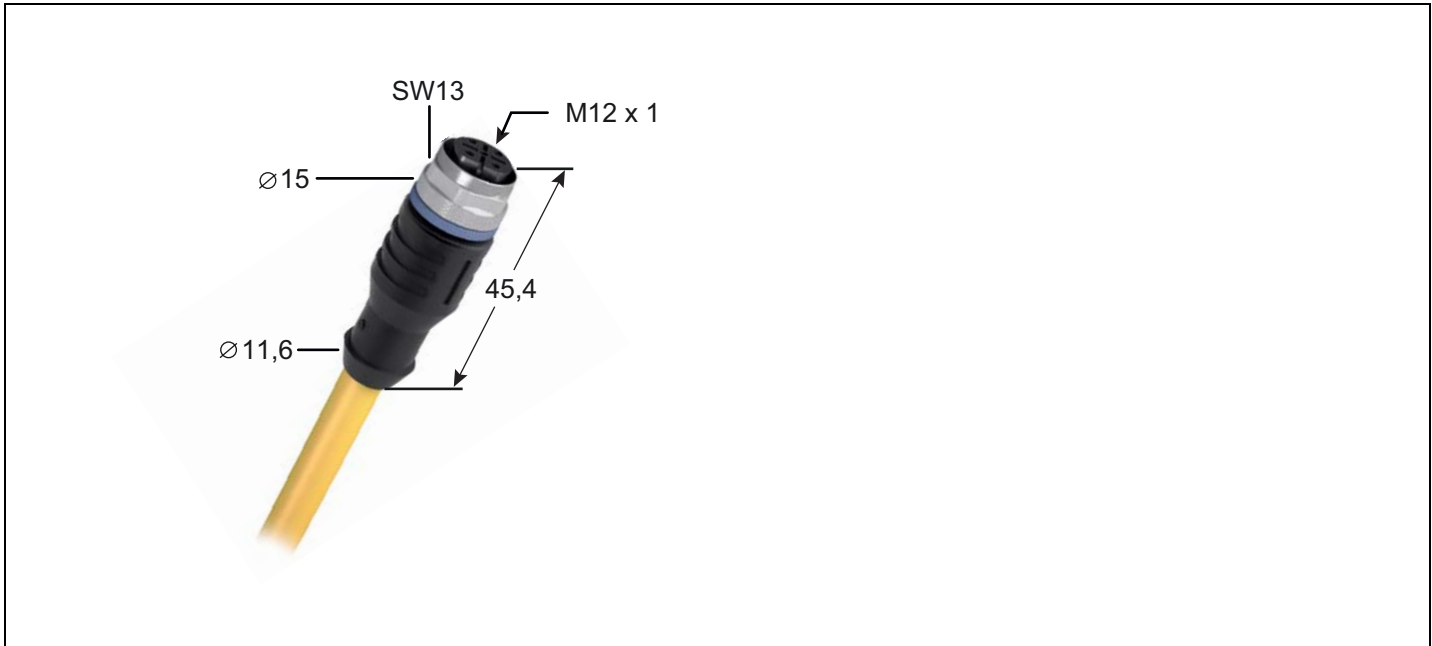
Pin assignment



Description	Item no.	Pack. unit pcs																													
System bus cable, with one end of cable fitted, B coded,																															
M12 socket, straight, one free cable.end, 2.0 m	756-1501/0060-0020	1																													
M12 socket, straight, one free cable.end, 5.0 m	756-1501/0060-0050	1																													
M12 socket, straight, one free cable.end, 10.0 m	756-1501/0060-0100	1																													
M12 socket, straight, one free cable.end, 20.0 m	756-1501/0060-0200	1																													
<p>Short description:</p> <ul style="list-style-type: none"> • PUR, halogen-free • Drag chain suitability • Free of silicon and CFC • Good resistance to microbes, hydrolysis, oil, ozone and UV radiation. Good chemical resistance. 	<p>Technical data</p> <p>General</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>≥ 5x10⁹ 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>Drag chain suitability</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/s²</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 ⁹ 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 ²	Max. traversing rate	3 m/s	Max. traverse path	1,8 m horizontal	Torsion	max. 180°/m (EN 50289-3-10)
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 ⁹ 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 ²																														
Max. traversing rate	3 m/s																														
Max. traverse path	1,8 m horizontal																														
Torsion	max. 180°/m (EN 50289-3-10)																														

System Bus Cable

for **WAGO** *SPEEDWAY 767*



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	EPDMBanding 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