

Sensor / Actuator Cable (PUR halogen free)

1/1

3-conductor connection cable, both ends fitted, M12

Data sheet



Color	
Pin 1	brown
Pin 2	-
Pin 3	blue
Pin 4	black

Description	Item-No.	Pack.-unit pcs
3-conductor (M12-SKT/M12-PLG) socket/plug 1 m	755-501	10
3-conductor (M12-SKT/M12-PLG) socket/plug 1.5 m	755-502	10
3-conductor (M12-SKT/M12-PLG) socket/plug 2 m	755-503	10
3-conductor (M12-ASK/M12-PLG) right angle socket/plug 1 m	755-511	10
3-conductor (M12-ASK/M12-PLG) right angle socket/plug 1.5 m	755-512	10
3-conductor (M12-ASK/M12-PLG) right angle socket/plug 2 m	755-513	10

<p>Connection cable: Plug, socket and right angle socket with (auto) securing safety nut.</p> <p>Cable characteristics:</p> <ul style="list-style-type: none"> • Good chemical and oil resistance. • Free of polybrominated diphenylether: Halogen, silicon and PVC free, flame retardant. • Microbe and hydrolysis-resistant. • For dynamic application: Drag chain suitability in compliance with drag chain test: <ul style="list-style-type: none"> - Bending radius 10 x d - Acceleration 5 m/s² - Path feed rate 200 m/min at 5 m horizontal path - Guaranteed bending cycles ≥2 millions • Recommended for applications in machine tools for metal cutting. • The application of these products in aggressive environments should always be checked before. 	<p>Technical Data</p> <p>Structure:</p> <table border="1"> <tr> <td>Conductor</td> <td>3 x 0.34 mm² (43 x Ø 0.10 mm)</td> </tr> <tr> <td>Colors of the leads</td> <td>brown; blue; black</td> </tr> <tr> <td>Outer jacket</td> <td>PUR halogen free, Ø 4.3 mm</td> </tr> </table> <p>Materials:</p> <table border="1"> <tr> <td>Moulded body</td> <td>TPU, self-extinguishing</td> </tr> <tr> <td>Contact plug</td> <td>CuZn, pre-nickel, and 0.8 µm gold-plated</td> </tr> <tr> <td>Contact socket</td> <td>CuSn, pre-nickel, and 0.3 µm gold-plated</td> </tr> <tr> <td>Body</td> <td>TPU, self-extinguishing</td> </tr> <tr> <td>Knurled nut / screw</td> <td>CuZn, brass, nickel</td> </tr> <tr> <td>O-Ring</td> <td>FKM</td> </tr> </table> <p>Electrical data:</p> <table border="1"> <tr> <td>Nominal voltage</td> <td>AC 250 V / DC 300 V</td> </tr> <tr> <td>Current carrying capacity</td> <td>4 A (CSA = 3A)</td> </tr> <tr> <td>Test voltage</td> <td>2 kV_{rms} / 60s</td> </tr> <tr> <td>Contact resistance</td> <td>≤ 5 mΩ</td> </tr> <tr> <td>Insulation resistance</td> <td>> 10⁹ Ω</td> </tr> <tr> <td>Insulation group</td> <td>C acc. to VDE 0110</td> </tr> </table> <p>Mechanical data:</p> <table border="1"> <tr> <td>Protection</td> <td>IP68 *</td> </tr> <tr> <td>Temperature range</td> <td>-25 °C...+80 °C</td> </tr> </table> <p>* Protection IP68 only in fully locked position with it's plugs</p>		Conductor	3 x 0.34 mm ² (43 x Ø 0.10 mm)	Colors of the leads	brown; blue; black	Outer jacket	PUR halogen free, Ø 4.3 mm	Moulded body	TPU, self-extinguishing	Contact plug	CuZn, pre-nickel, and 0.8 µm gold-plated	Contact socket	CuSn, pre-nickel, and 0.3 µm gold-plated	Body	TPU, self-extinguishing	Knurled nut / screw	CuZn, brass, nickel	O-Ring	FKM	Nominal voltage	AC 250 V / DC 300 V	Current carrying capacity	4 A (CSA = 3A)	Test voltage	2 kV _{rms} / 60s	Contact resistance	≤ 5 mΩ	Insulation resistance	> 10 ⁹ Ω	Insulation group	C acc. to VDE 0110	Protection	IP68 *	Temperature range	-25 °C...+80 °C
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