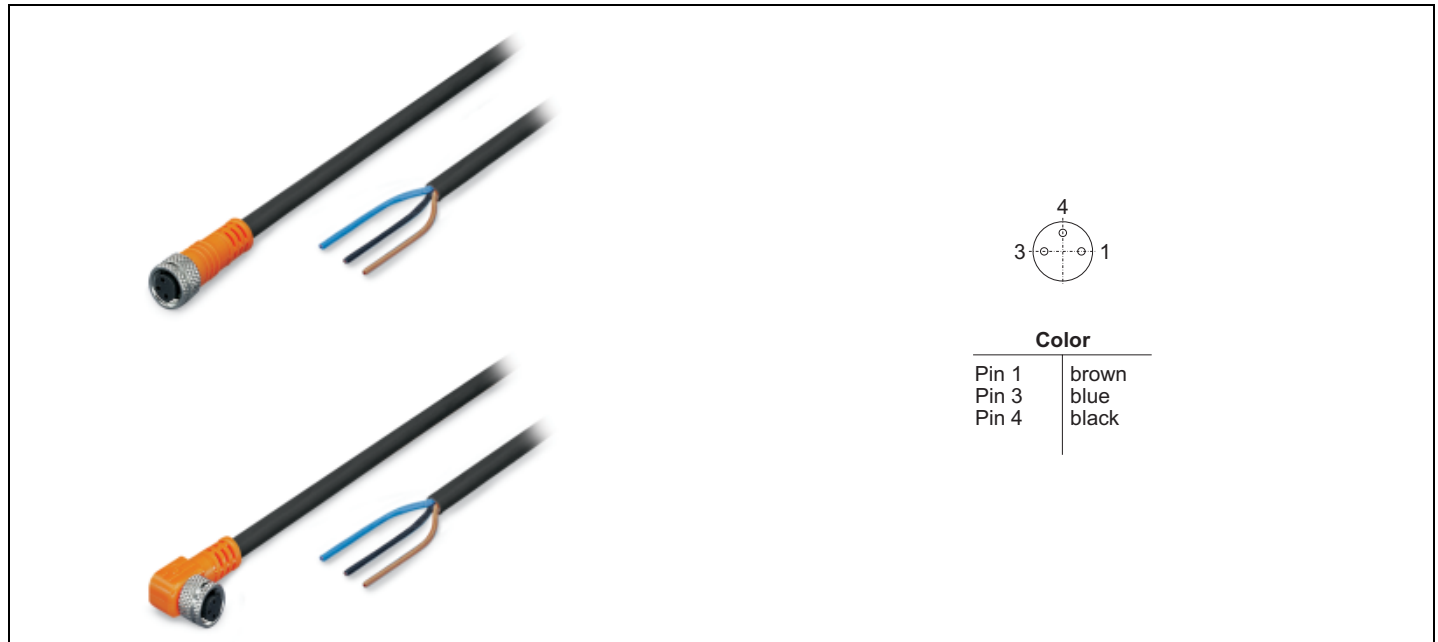


# Sensor / Actuator Cable (PUR halogen free)

1/1

3-conductor connecting cable, fitted with one socket, M8

Data sheet



Description	Item-No.	Pack.-unit pcs
3-conductor (M8-SKT) socket 2 m	755-451	10
3-conductor (M8-SKT) socket 5 m	755-452	10
3-conductor (M8-SKT) socket 10 m	755-453	10
3-conductor (M8-ASK) right angle socket 2 m	755-461	10
3-conductor (M8-ASK) right angle socket 5 m	755-462	10
3-conductor (M8-ASK) right angle socket 10 m	755-463	10

<p>Miniature socket and right angle socket with, (auto) securing safety nut and with moulded cable.</p> <p><b>Cable characteristics:</b></p> <ul style="list-style-type: none"> <li>• Good chemical and oil resistance.</li> <li>• Free of polybrominated diphenylether: Halogen, silicon and PVC free, flame retardant.</li> <li>• Microbe and hydrolysis-resistant.</li> <li>• For dynamic application: Drag chain suitability in compliance with drag chain test: <ul style="list-style-type: none"> <li>- Bending radius 10 x d</li> <li>- Acceleration 5 m/s<sup>2</sup></li> <li>- Path feed rate 200 m/min at 5 m horizontal path</li> <li>- Guaranteed bending cycles ≥2 millions</li> </ul> </li> <li>• Recommended for applications in machine tools for metal cutting.</li> <li>• The application of these products in aggressive environments should always be checked before.</li> </ul>	<p><b>Technical Data</b></p>																																				
	<p><b>Structure:</b></p> <table border="1"> <tr> <td>Conductor</td> <td>3 x 0.34 mm<sup>2</sup> (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><b>Materials:</b></p> <table border="1"> <tr> <td>Moulded body</td> <td>TPU, GF, self-extinguishing</td> </tr> <tr> <td>Contact</td> <td>CuZn, pre-nickelated and 0.8 µm gold-plated</td> </tr> <tr> <td>Body</td> <td>TPU, self-extinguishing</td> </tr> <tr> <td>Knurled nut (securing safety)</td> <td>CuZn, brass, nickelated</td> </tr> <tr> <td>O-Ring</td> <td>FKM</td> </tr> </table> <p><b>Electrical data:</b></p> <table border="1"> <tr> <td>Nominal voltage</td> <td>AC 60 V / DC 75 V</td> </tr> <tr> <td>Current carrying capacity</td> <td>4 A</td> </tr> <tr> <td>Test voltage</td> <td>1.5 kV<sub>rms</sub> / 60s</td> </tr> <tr> <td>Contact resistance</td> <td>≤ 5 mΩ</td> </tr> <tr> <td>Insulation resistance</td> <td>&gt; 10<sup>9</sup> Ω</td> </tr> <tr> <td>Insulation group</td> <td>C acc. to VDE 0110</td> </tr> </table> <p><b>Mechanical data:</b></p> <table border="1"> <tr> <td>Protection</td> <td>IP67 *</td> </tr> <tr> <td>Temperature range</td> <td>-25 °C...+80 °C</td> </tr> </table> <p><b>Accessories:</b></p> <table border="1"> <tr> <td>3-conductor plug (M12-PLG)</td> <td>Item-No.: 755-810</td> </tr> <tr> <td>3-conductor right angle plug (M12-APL)</td> <td>Item-No.: 755-811</td> </tr> </table> <p>* Protection IP67 only in fully locked position with it's plugs</p>		Conductor	3 x 0.34 mm <sup>2</sup> (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, GF, self-extinguishing	Contact	CuZn, pre-nickelated and 0.8 µm gold-plated	Body	TPU, self-extinguishing	Knurled nut (securing safety)	CuZn, brass, nickelated	O-Ring	FKM	Nominal voltage	AC 60 V / DC 75 V	Current carrying capacity	4 A	Test voltage	1.5 kV <sub>rms</sub> / 60s	Contact resistance	≤ 5 mΩ	Insulation resistance	> 10 <sup>9</sup> Ω	Insulation group	C acc. to VDE 0110	Protection	IP67 *	Temperature range	-25 °C...+80 °C	3-conductor plug (M12-PLG)	Item-No.: 755-810	3-conductor right angle plug (M12-APL)
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