

Product description	Contacts: 8, M12 cordset 8p A-coded male straight to RJ45
Area	5m shielded Ethernet TPE
Order number	M12-A Series 763
	77 9753 3529 34708-0500

Illustration	Scale drawing	Contact arrangement																																																
		<div style="display: flex; align-items: center;"> <table border="1" style="margin-left: 10px;"> <thead> <tr> <th colspan="2">M12 Male Cable Connector</th> <th>RJ45</th> </tr> <tr> <th></th> <th>X</th> <th>Y</th> </tr> </thead> <tbody> <tr><td>1</td><td>2,69</td><td>0,57</td></tr> <tr><td>2</td><td>0,57</td><td>2,69</td></tr> <tr><td>3</td><td>-1,66</td><td>2,20</td></tr> <tr><td>4</td><td>-2,75</td><td>0,19</td></tr> <tr><td>5</td><td>-1,94</td><td>-1,94</td></tr> <tr><td>6</td><td>0,19</td><td>-2,74</td></tr> <tr><td>7</td><td>2,20</td><td>-1,65</td></tr> <tr><td>8</td><td>0,00</td><td>0,00</td></tr> </tbody> </table> <div style="margin-left: 10px;"> <table border="0"> <tr> <td>1. white/blue</td> <td>1 white/orange</td> </tr> <tr> <td>2. white/brown</td> <td>2 orange</td> </tr> <tr> <td>3. brown</td> <td>3 white/green</td> </tr> <tr> <td>4. orange</td> <td>4 blue</td> </tr> <tr> <td>5. white/green</td> <td>5 white/blue</td> </tr> <tr> <td>6. white/orange</td> <td>6 green</td> </tr> <tr> <td>7. blue</td> <td>7 white/brown</td> </tr> <tr> <td>8. green</td> <td>8 brown</td> </tr> <tr> <td>shield-shielding sleeve</td> <td>Shield-Housing</td> </tr> </table> </div> </div>	M12 Male Cable Connector		RJ45		X	Y	1	2,69	0,57	2	0,57	2,69	3	-1,66	2,20	4	-2,75	0,19	5	-1,94	-1,94	6	0,19	-2,74	7	2,20	-1,65	8	0,00	0,00	1. white/blue	1 white/orange	2. white/brown	2 orange	3. brown	3 white/green	4. orange	4 blue	5. white/green	5 white/blue	6. white/orange	6 green	7. blue	7 white/brown	8. green	8 brown	shield-shielding sleeve	Shield-Housing
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Technical data

<h3 style="color: #0070C0; margin: 0;">General values</h3> <p>Connector design: cable connector Connector locking system: bolted Termination: moulded on cable Wire gauge (mm): 0,25 mm² Wire gauge (AWG): (24) Upper limit temperature: 90 °C Lower limit temperature: -25 °C</p>		<h3 style="color: #0070C0; margin: 0;">Electrical values</h3> <p>Rated current (40 °C): 2 A Rated voltage: 30 V Rated impulse voltage: 800 V Pollution degree: 3 Overvoltage category: II Insulating material group: II Volume resistivity: ≤ 3 mΩ Insulation resistance: ≥ 10¹⁰Ω EMC compliance: not shielded Degree of protection: IP68 Mechanical operation: > 100 Mating cycles</p>	
<h3 style="color: #0070C0; margin: 0;">Cable data</h3> <p>Sheath material: TPE Single-lead insulation: HDPE Single-lead structure: 7 x 32 Cable diameter: 6 Conductor resistance: <79Ω/Km Temperature range, moving cable, °C from: -40 Temperature range, moving cable, °C to: 80 Temperature range, fixed cable, °C from: -40 Temperature range, fixed cable, °C to: 80 Bending radius, fixed cable: min. 10 x D Bending radius, moving cable: min. 20 x D Approval 1: UL listed</p>		<h3 style="color: #0070C0; margin: 0;">Material</h3> <p>Contact material: CuZn (brass) Contact plating: Au (gold) Contact body material: PUR Housing material: PUR</p>	

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Security notices

The connectors are designed for use in plant, control system and electrical equipment. The end user is responsible for checking whether the connectors are suitable for use in other applications.

Connectors with degree of protection IP 67 and IP 68 are not suitable for use under water. When used outdoors, the connectors must be separately protected against corrosion. For further information about IP degrees of protection refer to 'Technical support' in the Download Centre.

To lock the cable connector to the equipment connector, the threaded ring is tightened until it is 'finger-tight' (approx. 50 cNm).