

### Product type designation

Product description

### Cable RS422, M12 / M12

Highly flexible communication line (6-core)  
SIMATIC RF, MV CONNECT. CABLE, PREASSEMBLED,  
BETWEEN ASM 456, RF160C, RF170C, RF18XC AND READER,  
OR EXTENSION CABLE FOR ASM 456, RF160C, RF170C,  
RF18XC WITH RF, MV, MOBY PUR, CMG, TRAILING, LENGTH 5  
M



Suitability for use	Plug-in or extension cable for connecting a reader to a communication module
Cable designation	L-YC11Y 6x1x0.25 6x24AWG CMG
Wire length	5 m
<b>Electrical data</b>	
Number of electrical connections	2
Type of electrical connection	M12 (male, 8 pin, straight) / M12 (female, 8 pin, straight)
Loop resistance per length / maximum	160 mΩ/m
Insulation resistance coefficient	20 GΩ·m
Operating voltage	
• maximum	300 V
<b>Mechanical data</b>	
Number of electrical cores	6
Design of the shield	Braided shield made of tin-plated copper wires
Outer diameter	
• of cable sheath	5.4 mm

Symmetrical tolerance of the outer diameter / of cable sheath	0.2 mm
Material	
<ul style="list-style-type: none"> <li>• of the wire insulation</li> <li>• of cable sheath</li> </ul>	PVC PUR
Color	
<ul style="list-style-type: none"> <li>• of the insulation of data wires</li> <li>• of cable sheath</li> </ul>	DIN 47100 Black
Bending radius	
<ul style="list-style-type: none"> <li>• with single bend / minimum permissible</li> <li>• with multiple bends / minimum permissible</li> <li>• with continuous bending</li> </ul>	21.6 mm 43 mm 75 mm
Number of bending cycles	3000000
Tensile load / maximum	200 N
Weight per length	45 kg/km

#### Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> <li>• during transport</li> <li>• during installation</li> </ul>	-30 ... +80 °C -30 ... +80 °C -30 ... +80 °C -30 ... +80 °C
Burning behavior	flame resistant according to IEC 60332-1-2
Chemical resistance	
<ul style="list-style-type: none"> <li>• to mineral oil</li> <li>• to grease</li> </ul>	resistant resistant
Radiological resistance / to UV radiation	resistant

#### Product properties, functions, components / general

Product feature	
<ul style="list-style-type: none"> <li>• halogen-free</li> <li>• silicon-free</li> </ul>	No Yes

#### Standards, specifications, approvals

UL/ETL listing / 300 V Rating	Yes; CMG
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#### Further Information / Internet Links

Internet-Link	
<ul style="list-style-type: none"> <li>• to website: Selector SIMATIC NET SELECTION TOOL</li> <li>• to website: Industrial communication</li> <li>• to website: Industry Mall</li> <li>• to website: Information and Download Center</li> <li>• to website: Image database</li> <li>• to website: CAx Download Manager</li> </ul>	<a href="https://support.industry.siemens.com/cs/ww/en/view/67385039">https://support.industry.siemens.com/cs/ww/en/view/67385039</a> <a href="http://www.siemens.com/ident/rfid">http://www.siemens.com/ident/rfid</a> <a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a> <a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a> <a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a> <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>

- to website: Industry Online Support

<https://support.industry.siemens.com>

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