

**product type designation**

**Cable RS422, Sub-D / M12**

**product description**

Highly flexible communication line (6-core)

SIMATIC RF, MV plug-in cable, pre-assembled, between RF120C and reader, PUR, trailing, length 10 m.



**Technical Product Detail Page**

<https://l.siemens.com/1P6GT2091-4LN10>

**suitability for use**

Plug-in cable for connecting a reader to the RF120C communication module

**cable designation**

L-YC11Y 6x1x0.25 6x24AWG CM

**wire length**

10 m

**electrical data**

**number of electrical connections**

2

**type of electrical connection**

Sub-D (male, 9 pin, 45°) / M12 (female, 8 pin, straight)

**loop resistance per length / maximum**

160 mΩ/m

**insulation resistance coefficient**

20 GΩ·m

**operating voltage**

- maximum

300 V

**mechanical data**

**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**

- of the wire insulation
- of cable sheath

PVC

PUR

**color**

- of the insulation of data wires
- of cable sheath

DIN 47100

Black

**bending radius**

- with single bend / minimum permissible
- with multiple bends / minimum permissible
- with continuous bending

21.6 mm

43 mm

75 mm

**number of bending cycles**

3000000

**tensile load / maximum**

200 N

**weight per length**

45 kg/km

**ambient conditions**

**ambient temperature**

- during operation
- during storage
- during transport
- during installation

-30 ... +80 °C

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-30 ... +80 °C

-30 ... +80 °C

**fire behavior**

flame resistant according to IEC 60332-1-2

class of burning behaviour / according to EN 13501-6	Eca
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 features, product functions, product 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; CM (only cable without plug)
certificate of suitability	
<ul style="list-style-type: none"> <li>EAC approval</li> </ul>	Yes

**further information / internet links**

internet link	
<ul style="list-style-type: none"> <li>to website: Selection guide for cables and connectors</li> <li>to web page: selection aid TIA Selection Tool</li> <li>to web page: SiePortal</li> <li>to website: Image database</li> <li>to website: CAX-Download-Manager</li> <li>to website: Industry Online Support</li> </ul>	<a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a> <a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a> <a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a> <a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a> <a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a> <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>

**security information**

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**Approvals / Certificates**

**General Product Approval**



[China RoHS](#)

[TUEV](#)

**EMV**

[KC](#)

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