

**product type designation**

product description

**Communication cable without connector**

Highly flexible communication line (6-core)

RFID systems connecting cable ASM reader without connector, loose PUR, trailing, 120 m.



Technical Product Detail Page

<https://l.siemens.com/1P6GT2090-4AT12>

suitability for use

Cord for self-assembly of a cable between reader and a communication module

cable designation

L-YC11Y 6x1x0.25 6x24AWG CM

wire length

120 m

**electrical data**

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

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> </ul>	resistant
<ul style="list-style-type: none"> <li>• to grease</li> </ul>	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> </ul>	No
<ul style="list-style-type: none"> <li>• silicon-free</li> </ul>	Yes

**standards, specifications, approvals**

UL/ETL listing / 300 V Rating	Yes; CM
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> </ul>	<a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a>
<ul style="list-style-type: none"> <li>• to web page: selection aid TIA Selection Tool</li> </ul>	<a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>
<ul style="list-style-type: none"> <li>• to web page: SiePortal</li> </ul>	<a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a>
<ul style="list-style-type: none"> <li>• to website: Image database</li> </ul>	<a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a>
<ul style="list-style-type: none"> <li>• to website: CAx-Download-Manager</li> </ul>	<a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a>
<ul style="list-style-type: none"> <li>• to website: Industry Online Support</li> </ul>	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>

**security information**

security information	<p>Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit <a href="http://www.siemens.com/cybersecurity-industry">www.siemens.com/cybersecurity-industry</a>. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under <a href="https://www.siemens.com/cert">https://www.siemens.com/cert</a>. (V4.7)</p>
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**Approvals / Certificates**

**General Product Approval**

[Manufacturer Declaration](#)




[China RoHS](#)

**General Product Approval**      **EMV**

[Fire safety / Physical security](#)      [Miscellaneous](#)      [KC](#)

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