

**product type designation**

product description

**DI/DO cable, M12 12-pole / open strands**

Highly flexible sensor cable (12-core)

SIMATIC RF600 DI/DO Cable connector for RF650R reader, RF670R, RF68XR, M12, 12x 0.14 mm<sup>2</sup>, shielded, material PUR, IP67; Length 5 m, open on one side.



Technical Product Detail Page

<https://l.siemens.com/1P6GT2891-0CH50>

suitability for use

Cable for wiring sensors/actuators to the RF650R, RF670R, RF68xR at the customer's end

cable designation

LSPYwC11Y

wire length

5 m

**electrical data**

number of electrical connections

2

type of electrical connection

M12 (male, 12 pin, straight) / open

loop resistance per length / maximum

284 mΩ/m

insulation resistance coefficient

10 GΩ·m

operating voltage

- maximum

42 V

**mechanical data**

number of electrical cores

12

design of the shield

Braided shield made of tin-plated copper wires

outer diameter

- of cable sheath

8.5 mm

symmetrical tolerance of the outer diameter / of cable sheath

0.2 mm

material

- of the wire insulation

PVC

- of cable sheath

PUR

color

- of the insulation of data wires

DIN 47100

- of cable sheath

Black

bending radius

- with single bend / minimum permissible

42.5 mm

- with multiple bends / minimum permissible

85 mm

- with continuous bending

85 mm

number of bending cycles

2000000

weight per length

87 kg/km

**ambient conditions**

ambient temperature

- during operation

-5 ... +80 °C

- during storage

-30 ... +80 °C

- during transport

-30 ... +80 °C

- during installation

-5 ... +80 °C

fire behavior

flame resistant according to IEC 60332-1-2, VW-1

chemical resistance	
<ul style="list-style-type: none"> <li>to mineral oil</li> <li>to grease</li> </ul>	<p>resistant according to DIN EN 60811-2-1</p> <p>resistant according to DIN EN 60811-2-1</p>
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

**standards, specifications, approvals**

UL/ETL listing / 300 V Rating	No
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**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>	<p><a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a></p> <p><a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a></p> <p><a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a></p> <p><a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a></p> <p><a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a></p> <p><a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a></p>

**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	EMV
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[China RoHS](#)



[KC](#)

**other**

[Miscellaneous](#)

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