

**product type designation**

product description

**Adaptor cable for power supply, M12-8 / M12-4**

Highly flexible cable (6-wire)

SIMATIC RF600 connecting cable for 24 V connection of the readers RF610XR, RF650R, RF68XR to the power supply units of type 6GT2898-0AA and 6GT2898-0AC, PUR, length 5 m.



product brand name

SIMATIC RF

Technical Product Detail Page

<https://l.siemens.com/1P6GT2891-0PH50>

suitability for use

Plug-in cable for connecting a 24 V power supply to a reader RF61XR, RF650R, RF68XR, MV440

cable designation

L-YC11Y 6x1x0.25 6x24AWG CM

wire length

5 m

**electrical data**

number of electrical connections

2

loop resistance per length / maximum

160 mΩ/m

insulation resistance coefficient

20 GΩ·m

operating voltage / maximum

300 V

**mechanical data**

design of the shield

Braided shield made of tin-plated copper wires

number of electrical cores

6

type of electrical connection

M12 (male, 4-pin, straight) / M12 (female, 8-pin, straight)

outer diameter

- of cable sheath

5.4 mm

symmetrical tolerance of the outer diameter / of cable sheath

0.2 mm

design of stranding element

Six

conductor class

5

material

- of the conductor
- of the wire insulation
- of cable sheath

CU, blank

PVC

PUR

marking / of cores

Color

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

<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
fire behavior	Flame-resistant according to IEC 60332-1-4
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
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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 website: Industrial communication</li> <li>to web page: identification and localization systems</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://www.siemens.com/simatic-net">https://www.siemens.com/simatic-net</a> <a href="https://www.siemens.com/ident">https://www.siemens.com/ident</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	EMV
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[China RoHS](#)



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