

**product type designation**

product description

**Connecting cable RS232, M12 / PicoBlade**

Communication cable (4-core)

SIMATIC RF1000 connecting cable, pre-assembled RS232, between RF1040R or RF1070R and an RF166C, RF170C or RF18xC/CI; black, length 2 m,.



product brand name

SIMATIC RF

Technical Product Detail Page

<https://l.siemens.com/1P6GT2891-4UH20>

suitability for use

plug-in cable for connecting an RF1000 reader with RF166C, RF170C or RF18xC/CI

cable designation

LIYCY 4x AWG26

wire length

2 m

**electrical data**

number of electrical connections

2

type of electrical connection

M12 (female, 8-pole, straight) / PicoBlade 51021 5-pole

loop resistance per length / maximum

130 mΩ/m

operating voltage

- maximum

300 V

**mechanical data**

number of electrical cores

4

design of the shield

Braided shield made of tin-plated copper wires

outer diameter

- of cable sheath

4.6 mm

material

- of the wire insulation

PVC

- of cable sheath

Special PVC, flame resistant according to UL-VW-1

color

- of the insulation of data wires

international color code

- of cable sheath

Black

bending radius

- with single bend / minimum permissible

69 mm

- with multiple bends / minimum permissible

69 mm

weight per length

35 kg/km

**ambient conditions**

ambient temperature

- during operation

-15 ... +80 °C

- during storage

-30 ... +80 °C

- during transport

-30 ... +80 °C

- during installation

-15 ... +80 °C

fire behavior

flame resistant according to IEC 60332-1-2

chemical resistance

- to mineral oil

resistant

- to water

resistant

radiological resistance / to UV radiation	resistant
<b>product features, product functions, product components / general</b>	
product feature	
• halogen-free	No
• silicon-free	Yes
<b>standards, specifications, approvals</b>	
UL/ETL listing / 300 V Rating	Yes; UL AWM 2464/2517 (only cable without plug)
<b>further information / internet links</b>	
internet link	
• to website: Selection guide for cables and connectors	<a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a>
• to web page: selection aid TIA Selection Tool	<a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>
• to web page: SiePortal	<a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a>
• to website: Image database	<a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a>
• to website: CAx-Download-Manager	<a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a>
• to website: Industry Online Support	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
<b>security information</b>	
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#### Approvals / Certificates

##### General Product Approval



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