

**product type designation**

product description

**Connecting cable RS232, open end / PicoBlade**

Communication cable (4-core)

SIMATIC RF1000 connecting cable, pre-assembled RS232; between RF1040R or RF1070R and controllers; connection with open ends, black, length 3 m.



product brand name

SIMATIC RF

Technical Product Detail Page

<https://l.siemens.com/1P6GT2891-2UH30>

suitability for use

plug-in cable for connecting an RF1000 reader with an RS-232 module with screw connection (for example, ET 200SP)

cable designation

LIYCY 4x AWG26

wire length

3 m

**electrical data**

number of electrical connections

2

type of electrical connection

Open end / 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
- of cable sheath

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

color

- of the insulation of data wires
- of cable sheath

international color code  
Black

bending radius

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

69 mm  
69 mm

weight per length

35 kg/km

**ambient conditions**

ambient temperature

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

-15 ... +80 °C  
-30 ... +80 °C  
-30 ... +80 °C  
-15 ... +80 °C

fire behavior

flame resistant according to IEC 60332-1-2

chemical resistance

- to mineral oil
- to water

resistant  
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**



last modified:

3/10/2026 