

product type designation

product description

Cable RS232, Sub-D / M12 / open strands

Highly flexible communication line (6-core)

SIMATIC RF200/RF300 connecting cable, pre-assembled, between reader and PC (RS232), PUR, trailing, length 5 m 24 V-side w. bare ends.



Technical Product Detail Page

<https://l.siemens.com/1P6GT2891-4KH50-0AX0>

suitability for use

Plug-in cable for connecting an RS 232 reader to a PC

cable designation

L-YC11Y 6x1x0.25 6x24AWG CM

wire length

5 m

electrical data

number of electrical connections

2

type of electrical connection

Sub-D (female, 9 pin, straight) / M12 (female, 8 pin, straight) / wire end sleeves (labeled)

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
-30 ... +80 °C
-30 ... +80 °C
-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	
• to mineral oil	resistant
• to grease	resistant
radiological resistance / to UV radiation	resistant

product features, product functions, product components / general

product feature	
• halogen-free	No
• silicon-free	Yes

standards, specifications, approvals

UL/ETL listing / 300 V Rating	Yes; CM (only cable without plug)
certificate of suitability	
• EAC approval	Yes


further information / internet links

internet link	
• to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358
• to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
• to web page: SiePortal	https://sieportal.siemens.com/
• to website: Image database	https://www.automation.siemens.com/bilddb
• to website: CAx-Download-Manager	https://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com

security information

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Approvals / Certificates

General Product Approval	EMV
   	China RoHS KC

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