

## Data sheet

6GT2891-4EH50

product type designation

Cable RS422, wire end sleeves / M12

product description

Highly flexible communication line (6-core)

SIMATIC RF, MV plug-in cable, with bare end, between ASM 475 and reader, or 24 V cable for RF61XR, RF650R, RF68XR, PUR, trailing, length 5 m.



Technical Product Detail Page

<https://i.siemens.com/1P6GT2891-4EH50>

suitability for use

Plug-in cable for connecting a reader to the ASM 475 communication module or 24V power supply of the RF61xR, RF650R and RF68xR readers

cable designation

L-YC11Y 6x1x0.25 6x24AWG CM

wire length

5 m

**electrical data**

number of electrical connections

2

type of electrical connection

wire end sleeves (labeled) / M12 (female, 8 pin, straight)

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

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

21.6 mm

• with multiple bends / minimum permissible

43 mm

• with continuous bending

75 mm

number of bending cycles

3000000

tensile load / maximum

200 N

weight per length

45 kg/km

**ambient conditions**

ambient temperature

• during operation

-30 ... +80 °C

• during storage

-30 ... +80 °C

• during transport

-30 ... +80 °C

• during installation

-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	<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>
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#### Approvals / Certificates

General Product Approval	EMV
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[China RoHS](#)

[KC](#)

#### other

[Miscellaneous](#)

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