

### product type designation

product description

### Cable RS422, M12 / M12

Highly flexible communication line (6-core)

SIMATIC RF, MV plug-in cable, pre-assembled, between ASM 456, RF160C, RF170C, RF18XC and reader, or extension cable for ASM 456, RF160C, RF170C, RF18XC with RF, MV, MOBY PUR, trailing, length 20 m.



suitability for use

Plug-in or extension cable for connecting a reader to a communication module

cable designation

L-YC11Y 6x1x0.25 6x24AWG CM

wire length

20 m

### electrical data

number of electrical connections

2

type of electrical connection

M12 (male, 8 pin, straight) / 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

<ul style="list-style-type: none"> <li>• to mineral oil</li> <li>• to grease</li> </ul>	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 (only cable without plug)
certificate of suitability	
<ul style="list-style-type: none"> <li>• EAC approval</li> </ul>	Yes
reference code	
<ul style="list-style-type: none"> <li>• according to IEC 81346-2</li> <li>• according to IEC 81346-2:2019</li> </ul>	WG WGB

**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 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://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	Environment
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[KC](#)

[Confirmation](#)

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