

product type designation	Cable RS422, M12 / M12
product description	Flexible communication line (6-core) with protection hose SIMATIC RF, MV connecting cable, pre-assembled between ASM 456, RF160C, RF170C, RF18XC, RF182C and reader, PUR, trailing, length 1 m with flexible tube.
product brand name	SIMATIC RF
Technical Product Detail Page	https://i.siemens.com/1P6GT2891-4FH10-0AX0
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	1 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, protective tube anthracite
bending radius	
• with single bend / minimum permissible	21.6 mm
• with multiple bends / minimum permissible	43 mm
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
- to web page: selection aid TIA Selection Tool
- to web page: SiePortal
- to website: Image database
- to website: CAx-Download-Manager
- to website: Industry Online Support

<https://support.industry.siemens.com/cs/ww/en/view/109766358>
<https://www.siemens.com/tstcloud>
<https://sieportal.siemens.com/>
<https://www.automation.siemens.com/bilddb>
<https://www.siemens.com/cax>
<https://support.industry.siemens.com>

security information

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Approvals / Certificates

General Product Approval



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