

**product type designation**

product description

**Cable RS232, Sub-D / M12 / M12**

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. M12 connector.



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
<b>electrical data</b>	
number of electrical connections	3
type of electrical connection	Sub-D (female, 9 pin, straight) / M12 (female, 8 pin, straight) / M12 (male, 4 pin, straight)
loop resistance per length / maximum	160 mΩ/m
insulation resistance coefficient	20 GΩ·m
operating voltage	
• maximum	300 V
<b>mechanical data</b>	
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
<b>ambient conditions</b>	
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 resistant
radiological resistance / to UV radiation	resistant
<b>product features, product functions, product components / general</b>	
product feature	
<ul style="list-style-type: none"> <li>halogen-free</li> <li>silicon-free</li> </ul>	No Yes
<b>standards, specifications, approvals</b>	
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
<b>further information / internet links</b>	
internet link	
<ul style="list-style-type: none"> <li>to web page: selection aid TIA Selection Tool</li> <li>to website: Industrial communication</li> <li>to website: Industry Mall</li> <li>to website: Information and Download Center</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/67384964">https://support.industry.siemens.com/cs/ww/en/view/67384964</a> <a href="http://www.siemens.com/ident/rfid">http://www.siemens.com/ident/rfid</a> <a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a> <a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a> <a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a> <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a> <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>

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