

Data sheet

6GT2091-4LH20

Product type designation

Product description

Cable RS422, Sub-D / M12

Highly flexible communication line (6-core)

SIMATIC RF, MV plug-in cable, assembled, between RF120C and reader PUR, trailing, length 2 m



Suitability for use	Plug-in cable for connecting a reader to the RF120C communication module
Cable designation	L-YC11Y 6x1x0.25 6x24AWG CM
Wire length	2 m
Electrical data	
Number of electrical connections	2
Type of electrical connection	Sub-D (male, 9 pin, 45°) / 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 • 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
Burning behavior	flame resistant according to IEC 60332-1-2
Chemical resistance • to mineral oil • to grease	resistant resistant
Radiological resistance / to UV radiation	resistant

Product features, product functions, product components / general

Product feature • halogen-free • silicon-free	No Yes
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Standards, specifications, approvals

UL/ETL listing / 300 V Rating	Yes; CM (only cable without plug)
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Further information / Internet-Links

Internet-Link • to website: Selector SIMATIC NET SELECTION TOOL • to website: Industrial communication • to website: Industry Mall • to website: Information and Download Center • to website: Image database • to website: CAX Download Manager	https://support.industry.siemens.com/cs/ww/en/view/67384964 http://www.siemens.com/ident/rfid https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter http://automation.siemens.com/bilddb http://www.siemens.com/cax
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- to website: Industry Online Support

<https://support.industry.siemens.com>

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