

Data sheet

6GT2891-4FN50

Product type designation

Product description

Cable RS422, M12 / M12

Highly flexible communication line (6-core)
SIMATIC RF, MV CONNECT. CABLE, PREASSEMBLED,
ZWISCHEN ASM 456, RF160C, RF170C, RF18XC AND READER,
OR EXTENSION CABLE FOR ASM 456, RF160C, RF170C,
RF18XC MIT RF, MV, MOBY PUR, CMG, TRAILING, LENGTH 50 M



Suitability for use	Plug-in or extension cable for connecting a reader to a communication module
Cable designation	L-YC11Y 6x1x0.25 6x24AWG CMG
Wire length	50 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 • 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

Permitted 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 properties, functions, components / general

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

UL/ETL listing / 300 V Rating	Yes; CMG
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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/67385042 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>

last modified:

10/12/2016