SIEMENS

Data sheet	6GT2891-4KH50

Product type designation	**Cable RS232, Sub-D / M12 / M12**
Product description	Highly flexible communication line (6-core) SIMATIC RF200 / RF300 CONNEC. CABLE, PREFABRICATED, BETWEEN READER AND PC (RS232), PUR, CMG, TRAILING, LENGTH 5 M 24V-SIDE WITH M12 CONNECTOR

Suitability for use	Plug-in cable for connecting an RS 232 reader to a PC
Cable designation	L-YC11Y 6x1x0.25 6x24AWG CMG
Cable length	5 m

Electrical data

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

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

Permitted ambient conditions

Ambient temperature	
• during operation	-30 ... +80 °C
• during storage	-30 ... +80 °C
• during transport	-30 ... +80 °C
• during installation	-30 ... +80 °C
Burning behavior	flame resistant according to IEC 60332-1-2
Chemical resistance	
• to mineral oil	resistant
• to grease	Resistant
Radiological resistance / to UV radiation	resistant

Product properties, functions, components / general

Product property	
• halogen-free	No
• silicon-free	Yes

Further Information / Internet Links

Internet-Link	
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/automation/net/catalog
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAx Download Manager	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com
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