SIEMENS

Data sheet   **6GT2891-4KH50-0AX0**

product type designation	**Cable RS232, Sub-D / M12 / open strands**
product description	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. bare ends.

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
electrical data	
number of electrical connections	2
type of electrical connection	Sub-D (female, 9 pin, straight) / M12 (female, 8 pin, straight) / wire end sleeves (labeled)
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
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
reference code	
● according to IEC 81346-2	WG
● according to IEC 81346-2:2019	WGB

further information / internet links	
internet link	
● to web page: selection aid TIA Selection Tool	https://support.industry.siemens.com/cs/ww/en/view/67384964
● to website: Industrial communication	http://www.siemens.com/ident/rfid
● to website: Industry Mall	https://mall.industry.siemens.com
● to website: Information and Download Center	http://www.siemens.com/industry/infocenter
● 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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