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Data sheet   **6GT2891-6UH20**

product type designation	**Connecting cable RS232, Sub-D / PicoBlade**
product description	Communication cable (4-core)
	SIMATIC RF1000 connecting cable, pre-assembled RS232, between RF1040R or RF1070R and RF120C; black, length 2 m.

Figure similar

suitability for use	plug-in cable for connecting an RF1000 reader to the RF120C communication module
cable designation	LiYCY 4x AWG26
wire length	2 m
electrical data	
number of electrical connections	2
type of electrical connection	D-sub (male, 9-pole, 45°) / PicoBlade 51021 5-pole
loop resistance per length / maximum	130 mΩ/m
operating voltage	
● maximum	300 V
mechanical data	
number of electrical cores	4
design of the shield	Braided shield made of tin-plated copper wires
outer diameter	
● of cable sheath	4.6 mm
material	
● of the wire insulation	PVC
● of cable sheath	Special PVC, flame resistant according to UL-VW-1
color	
● of the insulation of data wires	international color code
● of cable sheath	Black
bending radius	
● with single bend / minimum permissible	69 mm
● with multiple bends / minimum permissible	69 mm
weight per length	35 kg/km
ambient conditions	
ambient temperature	
● during operation	-15 ... +80 °C
● during storage	-30 ... +80 °C
● during transport	-30 ... +80 °C
● during installation	-15 ... +80 °C
fire behavior	flame resistant according to IEC 60332-1-2
chemical resistance	
● to mineral oil	resistant
● to water	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; UL AWM 2464/2517 (only cable without plug)
reference code	
● according to IEC 81346-2	WG
● according to IEC 81346-2:2019	WGB
further information / internet links	
internet link	
● to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358
● to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
● to web page: SiePortal	https://sieportal.siemens.com/
● to website: Image database	https://www.automation.siemens.com/bilddb
● to website: CAx-Download-Manager	https://www.siemens.com/cax
● to website: Industry Online Support	https://support.industry.siemens.com
security information	
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Approvals / Certificates

  General Product Approval

EAC   UKCA   CE EG-Konf.

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