SIEMENS

Data sheet 6GT2891-0CH50

product type designation	**DI/DO cable, M12 12-pole / open strands**
product description	Highly flexible sensor cable (12-core)
	SIMATIC RF600 DI/DO Cable connector for RF650R reader, RF670R, RF68XR, M12, 12x 0.14 mm2, shielded, material PUR, IP67; Length 5 m, open on one side.



product brand name	SIMATIC RF
Technical Product Detail Page	https://i.siemens.com/1P6GT2891-0CH50
suitability for use	Cable for wiring sensors/actuators to the RF650R, RF670R, RF68xR at the customer's end
cable designation	LSPYwC11Y
wire length	5 m
electrical data	
number of electrical connections	2
type of electrical connection	M12 (male, 12 pin, straight) / open
loop resistance per length / maximum	284 mΩ/m
insulation resistance coefficient	10 GΩ·m
operating voltage	
● maximum	42 V
mechanical data	
number of electrical cores	12
design of the shield	Braided shield made of tin-plated copper wires
outer diameter	
● of cable sheath	8.5 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	42.5 mm
● with multiple bends / minimum permissible	85 mm
● with continuous bending	85 mm
number of bending cycles	2000000
weight per length	87 kg/km
ambient conditions	
ambient temperature	
● during operation	-5 ... +80 °C
● during storage	-30 ... +80 °C
● during transport	-30 ... +80 °C
● during installation	-5 ... +80 °C

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fire behavior	flame resistant according to IEC 60332-1-2, VW-1
chemical resistance	
● to mineral oil	resistant according to DIN EN 60811-2-1
● to grease	resistant according to DIN EN 60811-2-1
radiological resistance / to UV radiation	resistant
product features, product functions, product components / general	
product feature	
● halogen-free	No
standards, specifications, approvals	
UL/ETL listing / 300 V Rating	No
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	
security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement - and continuously maintain - a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)

Approvals / Certificates

General Product Approval					EMV
EAC	CE EG-Konf.	China RoHS	UKCA	Manufacturer Declaration	KC

other

Miscellaneous

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