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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.



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
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

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● 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
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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