

Data sheet

6GT2891-0CH50

Product type designation

Product description

DI/DO cable, M12 12-pole / open strands

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	1
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 • of cable sheath	PVC PUR
Color • of the insulation of data wires • of cable sheath	DIN 47100 Black
Bending radius • with single bend / minimum permissible • with multiple bends / minimum permissible • with continuous bending	42.5 mm 85 mm 85 mm
Number of bending cycles	2000000
Weight per length	87 kg/km

Ambient conditions

Ambient temperature • during operation • during storage • during transport • during installation	-5 ... +80 °C -30 ... +80 °C -30 ... +80 °C -5 ... +80 °C
Burning behavior	flame resistant according to IEC 60332-1-2, VW-1
Chemical resistance • to mineral oil • to grease	resistant according to DIN EN 60811-2-1 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
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Standards, specifications, approvals

UL/ETL listing / 300 V Rating	No
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Further information / Internet-Links

Internet-Link • to website: Selector SIMATIC NET SELECTION TOOL • to website: Industrial communication • to website: Industry Mall • to website: Information and Download Center • to website: Image database • to website: CAx Download Manager • to website: Industry Online Support	https://support.industry.siemens.com/cs/ww/en/view/67384964 http://www.siemens.com/ident/rfid https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter http://automation.siemens.com/bilddb http://www.siemens.com/cax https://support.industry.siemens.com
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