SIEMENS

Data sheet 6GT2891-0DH50

product type designation	**DI/DO cable, M12 8-pole / open strands**
product description	Highly flexible sensor cable (8-core)

- - spare part - - SIMATIC RF600 DI/DO cable connector for RF640R; M12, 8x 0.25 mm2, shielded, material PUR, IP67; length 5 m, open on one side.



product brand name	SIMATIC RF
suitability for use	Cable for wiring sensors/actuators to the RF640R at the customer's end
cable designation	LiF9YC11Y
wire length	5 m
electrical data	
number of electrical connections	2
type of electrical connection	M12 (male, 8 pin, straight) / open
loop resistance per length / maximum	158 mΩ/m
insulation resistance coefficient	70 GΩ·m
operating voltage	
● maximum	300 V
mechanical data	
number of electrical cores	8
design of the shield	Braided shield made of tin-plated copper wires
outer diameter	
● of cable sheath	5.9 mm
symmetrical tolerance of the outer diameter / of cable sheath	0.2 mm
material	
● of the wire insulation	PP
● of cable sheath	PUR
color	
● of the insulation of data wires	DIN 47100
● of cable sheath	Black
bending radius	
● with single bend / minimum permissible	47.2 mm
● with multiple bends / minimum permissible	59 mm
● with continuous bending	59 mm
number of bending cycles	2000000
weight per length	59 kg/km
ambient conditions	
ambient temperature	
● during operation	-5 ... +80 °C
● during storage	-25 ... +80 °C
● during transport	-25 ... +80 °C
● during installation	-5 ... +80 °C
fire behavior	flame resistant according to UL FT-2
radiological resistance / to UV radiation	conditional UV resistance according to DIN EN ISO 4892-2-A

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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 web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
● 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

Approvals / Certificates

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

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