SIEMENS

Data sheet

6GT2891-0PH50

product type designation	**Adaptor cable for power supply, M12-8 / M12-4**
product description	Highly flexible cable (6-wire)
	SIMATIC RF600 connecting cable for 24 V connection of the readers RF610XR, RF650R, RF68XR to the power supply units of type 6GT2898-0AA and 6GT2898-0AC, PUR, length 5 m.

suitability for use	Plug-in cable for connecting a 24 V power supply to a reader RF61XR, RF650R, RF68XR, MV440
cable designation	L-YC11Y 6x1x0.25 6x24AWG CM
wire length	5 m
electrical data	
number of electrical connections	2
loop resistance per length / maximum	160 mΩ/m
insulation resistance coefficient	20 GΩ·m
operating voltage / maximum	300 V
mechanical data	
design of the shield	Braided shield made of tin-plated copper wires
number of electrical cores	6
type of electrical connection	M12 (male, 4-pin, straight) / M12 (female, 8-pin, straight)
outer diameter	
● of cable sheath	5.4 mm
symmetrical tolerance of the outer diameter / of cable sheath	0.2 mm
design of stranding element	Six
conductor class	5
material	
● of the conductor	CU, blank
● of the wire insulation	PVC
● of cable sheath	PUR
marking / of cores	Color
color	
● of the insulation of data wires	DIN 47100
● of cable sheath	Black
bending radius	
● with single bend / minimum permissible	21.6 mm
● with multiple bends / minimum permissible	43 mm
● with continuous bending	75 mm
number of bending cycles	3000000
tensile load / maximum	200 N
weight per length	45 kg/km
ambient conditions	
ambient temperature	
● during operation	-30 ... +80 °C
● during storage	-30 ... +80 °C
● during transport	-30 ... +80 °C

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● during installation	-30 ... +80 °C
fire behavior	Flame-resistant according to IEC 60332-1-4
chemical resistance	
● to mineral oil	resistant
● to grease	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; CM

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

Approvals / Certificates

General Product Approval			EMV	Environment
EAC	Manufacturer Declaration	CE EG-Konf.	UKCA	KC	Confirmation

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