

Data sheet

6GT2891-0PH50

Product type designation

Product description

Adaptor cable for power supply, M12-8 / M12-4

Highly flexible cable (6-wire)

SIMATIC RF600 connecting cable for 24 V connection of the readers RF650R, RF68XR to the Power supply units of the type 6GT2898-0AA and 6GT2898-0AC, PUR, length 5 m



Suitability for use	Plug-in cable for connecting a 24 V power supply to PC adapter RF-Diag
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 • of the wire insulation • of cable sheath	CU, blank PVC PUR
Marking / of cores	Color
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	21.6 mm 43 mm 75 mm
Number of bending cycles	3000000
Tensile load / maximum	200 N
Weight per length	45 kg/km

Ambient conditions

Ambient temperature • during operation • during storage • during transport • during installation	-30 ... +80 °C -30 ... +80 °C -30 ... +80 °C -30 ... +80 °C
Burning behavior	Flame-resistant according to IEC 60332-1-4
Chemical resistance • to mineral oil • to grease	resistant resistant
Radiological resistance / to UV radiation	resistant

Product features, product functions, product components / general

Product feature • halogen-free • silicon-free	No Yes
--	-----------

Standards, specifications, approvals

UL/ETL listing / 300 V Rating	Yes; CM
-------------------------------	---------

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	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
---	--

- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

last modified:

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

11/11/2019