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Data sheet 6GT2491-1HH50

product type designation	**Cable 24 V, M12 / M12**
product description	Sensor/actuator cable (4-core)
	MOBY plug-in cable for Wide-range power supply units 6GT2494-0AA00, 6GT2898-0AA00, 6GT2898-0AA10, 6GT2898-0AA20, 24 V DC; PUR, length 5 m.



suitability for use	Plug-in cable for connecting a 24 V power supply to a load
cable designation	Li9Y11Y-HF
wire length	5 m
electrical data	
number of electrical connections	2
type of electrical connection	M12 (male, 4 pin, straight) / M12 (female, 4 pin, straight)
loop resistance per length / maximum	116 mΩ/m
insulation resistance coefficient	1000 GΩ·m
operating voltage	
● maximum	300 V
mechanical data	
number of electrical cores	4
design of the shield	unshielded
outer diameter	
● of cable sheath	4.7 mm
symmetrical tolerance of the outer diameter / of cable sheath	0.15 mm
material	
● of the wire insulation	PP
● of cable sheath	PUR
color	
● of the insulation of data wires	brown, white, blue, black
● of cable sheath	black-grey
bending radius	
● with single bend / minimum permissible	23.5 mm
● with multiple bends / minimum permissible	47 mm
● with continuous bending	47 mm
number of bending cycles	4000000
weight per length	30 kg/km
ambient conditions	
ambient temperature	
● during operation	-25 ... +80 °C
● during storage	-40 ... +80 °C
● during transport	-40 ... +80 °C
● during installation	-25 ... +80 °C
fire behavior	flame resistant according to UL-Style 20549, FT1 gem. UL 758
chemical resistance	
● to mineral oil	resistant according to DIN EN 60811-2-1
● to grease	resistant according to DIN EN 60811-2-1

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radiological resistance / to UV radiation	conditional UV resistance according to DIN EN ISO 4892-2-A
product features, product functions, product components / general	
product feature	
● halogen-free	Yes
● silicon-free	Yes
standards, specifications, approvals	
UL/ETL listing / 300 V Rating	Yes; FT1 gem. UL 758
reference code	
● according to IEC 81346-2	WG
● according to IEC 81346-2:2019	WGB
further information / internet links	
internet link	
● to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358
● to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
● to web page: SiePortal	https://sieportal.siemens.com/
● 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
security information	
security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)

Approvals / Certificates

General Product Approval				EMV	
CE EG-Konf.	UKCA	CCC	EAC	Miscellaneous	KC

Environment

Confirmation

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