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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

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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
Burning 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
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

Further information / Internet-Links

Internet-Link	
• to website: Selector SIMATIC NET 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

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