SIEMENS

## Data sheet 6GT2491-1HH50

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|---|---|
| **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. |



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|---|---|
| Technical Product Detail Page | https://i.siemens.com/1P6GT2491-1HH50 |
| 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 | |


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| | |
|---|---|
| ● 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: 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









China RoHS | Miscellaneous

### EMV

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