

product type designation

product description

Cable for IO-Link, wire end sleeves / M12

Sensor cable (4-core)

SIMATIC RF IO-Link connecting cable, pre-assembled, between IO-Link master and reader, M12 4-pole and open end, PUR, length 5 m.



Technical Product Detail Page

<https://l.siemens.com/1P6GT2891-4LH50>

suitability for use

Plug-in cable for connecting an IO-Link device to an IO-Link master

cable designation

LiY-11Y 4xAWG 22/19

wire length

5 m

electrical data

number of electrical connections

2

type of electrical connection

wire end sleeves (labeled) / M12 (female, 4 pin, straight)

loop resistance per length / maximum

108 mΩ/m

insulation resistance coefficient

20 GΩ·m

operating voltage

- maximum

30 V

mechanical data

number of electrical cores

4

design of the shield

unshielded

outer diameter

- of cable sheath

4.3 mm

material

- of the wire insulation
- of cable sheath

PVC
TPE-U Ether Isolation

color

- of the insulation of data wires
- of cable sheath

brown, white, blue, black
Black

bending radius

- with single bend / minimum permissible
- with multiple bends / minimum permissible

34.4 mm
64.5 mm

ambient conditions

ambient temperature

- during operation
- during storage
- during transport
- during installation

-5 ... +80 °C
-40 ... +80 °C
-40 ... +80 °C
-5 ... +80 °C

fire behavior

flame resistant according to AWM STYLE 21317 80°C 30V VW-1 for USA and AWM I/II A/B 80°C 30V FT-1 for Canada

product features, product functions, product components / general

product feature

- halogen-free

No

standards, specifications, approvals

UL/ETL listing / 300 V Rating	No
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further information / internet links

internet link	
<ul style="list-style-type: none"> • to website: Selection guide for cables and connectors • to web page: selection aid TIA Selection Tool • to web page: SiePortal • to website: Image database • to website: CAx-Download-Manager • to website: Industry Online Support 	https://support.industry.siemens.com/cs/ww/en/view/109766358 https://www.siemens.com/tstcloud https://sieportal.siemens.com/ https://www.automation.siemens.com/bilddb https://www.siemens.com/cax https://support.industry.siemens.com

security information

security information	<p>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)</p>
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Approvals / Certificates

General Product Approval	EMV
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[China RoHS](#)

[KC](#)

other

[Miscellaneous](#)

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