

**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.



product brand name

SIMATIC RF

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

## further information / internet links

internet link

- 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

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## Approvals / Certificates

General Product Approval

EMV



[China RoHS](#)



other

[Miscellaneous](#)

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