

Data sheet

6GT2891-4LH50-0AX0

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, PVC, length 5 m.



suitability for use

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

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

3

design of the shield

unshielded

outer diameter

• of cable sheath

4.6 mm

material

• of the wire insulation

PVC

• of cable sheath

PVC

color

• of the insulation of data wires

red, black, orange

• of cable sheath

Black

bending radius

• with single bend / minimum permissible

35 mm

• with multiple bends / minimum permissible

69 mm

ambient conditions

ambient temperature

• during operation

-10 ... +80 °C

• during storage

-40 ... +80 °C

• during transport

-40 ... +80 °C

• during installation

-10 ... +80 °C

fire behavior

flame resistant according to DIN VDE 0482-332-1-2 / EN 60332-1-2 / IEC 60332-1-2, UL VW-1, CSA FT1; UL Std. 758 (AWM) Style 2464, CSA Std. C22.2 No. 210 - AWM I/II A/B

product features, product functions, product components / general

product feature

• halogen-free

No

standards, specifications, approvals

UL/ETL listing / 300 V Rating

No

reference code	
• according to IEC 81346-2 • according to IEC 81346-2:2019	WG WGB
further information / internet-Links	
Internet-Link	
• to web page: selection aid TIA Selection Tool • to website: Industrial communication • to website: Industry Mall • to website: Information and Download Center • to website: Image database • to website: CAX-Download-Manager • to website: Industry Online Support	https://support.industry.siemens.com/cs/ww/en/view/67384964 http://www.siemens.com/ident/rfid https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter http://automation.siemens.com/bilddb http://www.siemens.com/cax https://support.industry.siemens.com
last modified:	7/7/2022 