

Data sheet

6GT2891-4LH50

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 5m



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	1
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	4.3 mm

Symmetrical tolerance of the outer diameter / of cable sheath	0.15 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
Burning 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
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Standards, specifications, approvals

UL/ETL listing / 300 V Rating	No
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Further information / Internet-Links

Internet-Link • to website: Selector SIMATIC NET 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
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