

Data sheet

6GT2891-0MH50

Product type designation

Product description

Cable for IO-Link, M12 / M12

Sensor cable (4-core)

SIMATIC RF IO-LINK CONNECTING CABLE, PREASSEMBLED, BETWEEN IO-LINK MASTER AND READER, TWO-SIDED M12 4-POLE. PUR, LENGTH 5 M



Suitability for use	Plug-in cable for connecting an IO-Link device to an IO-Link master
Cable designation	LiY-11Y 4xAWG 22/19
Cable 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	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
Symmetrical tolerance of the outer diameter / of cable sheath	0.15 mm
Material	
• of the wire insulation	PVC
• of cable sheath	TPE-U Ether Isolation
Color	
• of the insulation of data wires	brown, white, blue, black

• of cable sheath	Black
Bending radius	
• with single bend / minimum permissible	34.4 mm
• with multiple bends / minimum permissible	64.5 mm

Permitted ambient conditions

Ambient temperature	
• during operation	-5 ... +80 °C
• during storage	-40 ... +80 °C
• during transport	-40 ... +80 °C
• during installation	-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 properties, functions, components / general

Product property	
• halogen-free	No

Further Information / Internet Links

Internet-Link	
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/automation/net/catalog
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAx Download Manager	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com

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