SIEMENS

Data sheet 6GT2891-4LH50

product type designation	**Cable for IO-Link, wire end sleeves / M12**
product description	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://i.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	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
ambient conditions	
ambient temperature	
● during operation	-5 ... +80 °C
● during storage	-40 ... +80 °C
● during transport	-40 ... +80 °C
● during installation	-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

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standards, specifications, approvals	
UL/ETL listing / 300 V Rating	No

further information / internet links	
internet link	
● to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358
● to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
● to web page: SiePortal	https://sieportal.siemens.com/
● to website: Image database	https://www.automation.siemens.com/bilddb
● to website: CAx-Download-Manager	https://www.siemens.com/cax
● to website: Industry Online Support	https://support.industry.siemens.com

security information	
security information	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)

Approvals / Certificates

General Product Approval					EMV
CE EG-Konf.	UKCA	EAC	China RoHS	Manufacturer Declaration	KC

other

Miscellaneous

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