SIEMENS

Data sheet 6GT2891-4MH50

product type designation	**Cable for IO-Link, M12 / M12**
product description	Sensor cable (3-core)
	SIMATIC RF IO-Link connecting cable, pre-assembled, between IO-Link master and reader, both ends M12 4-pole 3-core cable, PUR, length 5 m.



Figure similar

product brand name	SIMATIC RF
Technical Product Detail Page	https://i.siemens.com/1P6GT2891-4MH50
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	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	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	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	

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product feature	
● halogen-free	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

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Approvals / Certificates

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

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