

Data sheet

6GT2891-4MN10

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 10 m .	
	Figure similar	
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	10 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		
product feature		

• halogen-free	No
standards, specifications, approvals	
reference code	
• according to IEC 81346-2	WG
• according to IEC 81346-2:2019	WGB
further information / internet-Links	
Internet-Link	<ul style="list-style-type: none"> • 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:

11/18/2021 