

product type designation

product description

Cable for IO-Link, M12 / M12

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	WG WGB
<ul style="list-style-type: none"> • according to IEC 81346-2 • according to IEC 81346-2:2019 	


further information / internet links

internet link	
<ul style="list-style-type: none"> • to website: Selection guide for cables and connectors • to web page: selection aid TIA Selection Tool • to web page: SiePortal • to website: Image database • to website: CAx-Download-Manager • to website: Industry Online Support 	https://support.industry.siemens.com/cs/ww/en/view/109766358 https://www.siemens.com/tstcloud https://sieportal.siemens.com/ https://www.automation.siemens.com/bilddb https://www.siemens.com/cax https://support.industry.siemens.com

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Approvals / Certificates

General Product Approval	EMV	Environment
   	KC	Confirmation

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