

product type designation	Cable RS422, M12 / M12
product description	Highly flexible communication line (6-core) SIMATIC RF, MV plug-in cable, pre-assembled, between ASM 456, RF160C, RF170C, RF18XC and reader, or extension cable for ASM 456, RF160C, RF170C, RF18XC with RF, MV, MOBY PUR, trailing, length 5 m.
suitability for use	Plug-in or extension cable for connecting a reader to a communication module
cable designation	L-YC11Y 6x1x0.25 6x24AWG CM
wire length	5 m
electrical data	
number of electrical connections	2
type of electrical connection	M12 (male, 8 pin, straight) / M12 (female, 8 pin, straight)
loop resistance per length / maximum	160 mΩ/m
insulation resistance coefficient	20 GΩ·m
operating voltage	
• maximum	300 V
mechanical data	
number of electrical cores	6
design of the shield	Braided shield made of tin-plated copper wires
outer diameter	
• of cable sheath	5.4 mm
symmetrical tolerance of the outer diameter / of cable sheath	0.2 mm
material	
• of the wire insulation	PVC
• of cable sheath	PUR
color	
• of the insulation of data wires	DIN 47100
• of cable sheath	Black
bending radius	
• with single bend / minimum permissible	21.6 mm
• with multiple bends / minimum permissible	43 mm
• with continuous bending	75 mm
number of bending cycles	3000000
tensile load / maximum	200 N
weight per length	45 kg/km
ambient conditions	
ambient temperature	
• during operation	-30 ... +80 °C
• during storage	-30 ... +80 °C
• during transport	-30 ... +80 °C
• during installation	-30 ... +80 °C
fire behavior	flame resistant according to IEC 60332-1-2
class of burning behaviour / according to EN 13501-6	Eca
chemical resistance	
• to mineral oil	resistant
• to grease	resistant
radiological resistance / to UV radiation	resistant
product features, product functions, product components / general	
product feature	
• halogen-free	No
• silicon-free	Yes
standards, specifications, approvals	
UL/ETL listing / 300 V Rating	Yes; CM (only cable without plug)
certificate of suitability	

<ul style="list-style-type: none"> • EAC approval 	Yes
reference code	
<ul style="list-style-type: none"> • according to IEC 81346-2 • according to IEC 81346-2:2019 	WG 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

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