

product type designation
product description

Cable RS422, M12 / M12

Highly flexible communication line (6-core)
SIMATIC RF, MV plug-in cable, 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	
<ul style="list-style-type: none"> • of the wire insulation • of cable sheath 	PVC PUR
color	
<ul style="list-style-type: none"> • of the insulation of data wires • of cable sheath 	DIN 47100 Black
bending radius	
<ul style="list-style-type: none"> • with single bend / minimum permissible • with multiple bends / minimum permissible • with continuous bending 	21.6 mm 43 mm 75 mm
number of bending cycles	3000000
tensile load / maximum	200 N
weight per length	45 kg/km

ambient conditions

ambient temperature	
<ul style="list-style-type: none"> • during operation • during storage • during transport • during installation 	-30 ... +80 °C -30 ... +80 °C -30 ... +80 °C -30 ... +80 °C
burning behavior	flame resistant according to IEC 60332-1-2
chemical resistance	
<ul style="list-style-type: none"> • to mineral oil • to grease 	resistant resistant
radiological resistance / to UV radiation	resistant

product features, product functions, product components / general

product feature	
<ul style="list-style-type: none"> • halogen-free • silicon-free 	No Yes

standards, specifications, approvals

UL/ETL listing / 300 V Rating	Yes; CM (only cable without plug)
-------------------------------	-----------------------------------

further information / internet-Links

Internet-Link	
<ul style="list-style-type: none"> • to website: Selector 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:

10/15/2020