

Product type designation

Product description

Cable RS422, M12 / M16

Highly flexible communication line (6-core)

ASM adapter cable (M16 to M12) for MV420 for connection to the RFID communication modules (ASM)



Suitability for use	Plug-in cable for connecting an MV420 reader to a communication module
Wire length	2 m
Electrical data	
Number of electrical connections	2
Type of electrical connection	M12 (male, 8 pin, straight) / M16 (female, 12 pin, straight)
Loop resistance per length / maximum	160 mΩ/m
Insulation resistance coefficient	20 GΩ·m
Operating voltage	300 V
• maximum	
Mechanical data	
Number of electrical cores	6
Design of the shield	Braided shield made of tin-plated copper wires
Outer diameter	5.4 mm
• of cable sheath	
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 60332-1-4
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
-------------------------------	---------

Further information / Internet-Links

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

10/26/2019