

product type designation

product description

Cable RS422, wire end sleeves / M12

Highly flexible communication line (6-core)

SIMATIC RF, MV plug-in cable, assembled, between ASM 475 and reader, or 24V cable for RF650R, RF68XR, PUR, trailing, length 5 m



suitability for use

Plug-in cable for connecting a reader to the ASM 475 communication module or 24V power supply of the RF650R and RF68XR readers

cable designation

L-YC11Y 6x1x0.25 6x24AWG CM

wire length

5 m

electrical data

number of electrical connections

1

type of electrical connection

wire end sleeves (labeled) / 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
- of cable sheath

PVC
PUR

color

- of the insulation of data wires
- of cable sheath

DIN 47100
Black

bending radius

- 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

- during operation
- during storage
- during transport

-30 ... +80 °C
-30 ... +80 °C
-30 ... +80 °C

• during installation	-30 ... +80 °C
fire behavior	flame resistant according to IEC 60332-1-2
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)
further information / internet-Links	
Internet-Link	
• to web page: selection aid TIA Selection Tool	https://support.industry.siemens.com/cs/ww/en/view/67384964
• to website: Industrial communication	http://www.siemens.com/ident/rfid
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/industry/infocenter
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAX-Download-Manager	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com
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