

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 20 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

20 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
- 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
- during installation

-30 ... +80 °C
-30 ... +80 °C
-30 ... +80 °C
-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 <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) |
| certificate of suitability <ul style="list-style-type: none"> • EAC approval | Yes |
| reference code <ul style="list-style-type: none"> • acc. 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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