

product type designation

product description

Cable RS422, M12 / M12

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 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 |
| 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"> • 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 website: Selection guide for cables and connectors • to web page: selection aid TIA Selection Tool • to web page: SiePortal • to website: Image database • to website: CAX-Download-Manager • to website: Industry Online Support | https://support.industry.siemens.com/cs/ww/en/view/109766358 https://www.siemens.com/tstcloud https://sieportal.siemens.com/ https://www.automation.siemens.com/bilddb https://www.siemens.com/cax https://support.industry.siemens.com |
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