

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

PVC

• of cable sheath

PUR

color

• of the insulation of data wires

DIN 47100

• of cable sheath

Black

bending radius

• with single bend / minimum permissible

21.6 mm

• with multiple bends / minimum permissible

43 mm

• with continuous bending

75 mm

number of bending cycles

3000000

tensile load / maximum

200 N

weight per length

45 kg/km

ambient conditions

ambient temperature

• during operation

-30 ... +80 °C

• during storage

-30 ... +80 °C

• during transport

-30 ... +80 °C

• during installation

-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 website: Industrial communication• 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://www.siemens.com/simatic-net https://sieportal.siemens.com/ https://www.automation.siemens.com/bilddb https://www.siemens.com/cax https://support.industry.siemens.com			
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