

product type designation

product description

Communication cable without connector

Highly flexible communication line (6-core)

RFID systems connecting cable ASM reader without connector, loose PUR, trailing, 50 m.



suitability for use

Cord for self-assembly of a cable between reader and a communication module

cable designation

L-YC11Y 6x1x0.25 6x24AWG CM

wire length

50 m

electrical data

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

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fire behavior

flame resistant according to IEC 60332-1-2

class of burning behaviour / according to EN 13501-6

Eca

chemical resistance

- to mineral oil
- to grease

resistant

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
certificate of suitability	
• EAC approval	Yes
reference code	
• according to IEC 81346-2	WG
• according to IEC 81346-2:2019	WGB
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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