

product type designation

product description

Adaptor cable for power supply, M12-8 / M12-4

Highly flexible cable (6-wire)

SIMATIC RF600 connecting cable for 24 V connection of the readers RF610XR, RF650R, RF68XR to the power supply units of type 6GT2898-0AA and 6GT2898-0AC, PUR, length 5 m.



suitability for use

Plug-in cable for connecting a 24 V power supply to a reader RF61XR, RF650R, RF68XR, MV440

cable designation

L-YC11Y 6x1x0.25 6x24AWG CM

wire length

5 m

electrical data

number of electrical connections

2

loop resistance per length / maximum

160 mΩ/m

insulation resistance coefficient

20 GΩ·m

operating voltage / maximum

300 V

mechanical data

design of the shield

Braided shield made of tin-plated copper wires

number of electrical cores

6

type of electrical connection

M12 (male, 4-pin, straight) / M12 (female, 8-pin, straight)

outer diameter

• of cable sheath

5.4 mm

symmetrical tolerance of the outer diameter / of cable sheath

0.2 mm

design of stranding element

Six

conductor class

5

material

• of the conductor

CU, blank

• of the wire insulation

PVC

• of cable sheath

PUR

marking / of cores

Color

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 60332-1-4
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
reference code	
according to IEC 81346-2:2019	WDB
further information / internet links	
internet link	
- to website: Selection guide for cables and connectors - to web page: selection aid TIA Selection Tool - to website: Industrial communication - to web page: identification and localization systems - 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://www.siemens.com/ident https://sieportal.siemens.com/ https://www.automation.siemens.com/bilddb https://www.siemens.com/cax https://support.industry.siemens.com
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