

product type designation

product description

Plug-in cable for Gateway Anchor, Bulgin 3 / M12

Highly flexible communication line (6-core)

SIMATIC RTLS accessory, plug-in cable for 24 V connection of armature, gateway with Bulgin plug and power supply unit, 6GT2898-0AC, length: 5 m.



Technical Product Detail Page

<https://l.siemens.com/1P6GT2791-2PH50>

suitability for use

Plug-in cable for connecting RTLS4000 Gateway/Anchor to the 6GT2898-0Cxxx power supply unit

cable designation

L-YC11Y 6x1x0.25 6x24AWG CM

wire length

5 m

electrical data

number of electrical connections

2

type of electrical connection

M12 (male, 4-pin, straight) / Bulgin 400 (female, 3-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

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"> RoHS conformity 	Yes
<ul style="list-style-type: none"> standard / for fire behavior / flame resistance 	IEC 60332-1-2
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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Approvals / Certificates

General Product Approval



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