

### product type designation

### product description

### Antenna cable for UHF, RP-TNC / RP-TNC

### Coaxial cable

SIMATIC RF600 connecting cable for antenna L20 pre-assembled, between reader and antenna, IP65, PE, CMR/MPR, length 20 m.



### suitability for use

Plug-in cable for connecting a UHF antenna to an RF600 reader

### cable designation

LMR-300

### wire length

20 m

### electrical data

#### number of electrical connections

2

#### type of electrical connection

R-TNC (female, straight) / R-TNC (female, straight)

#### attenuation factor per length

##### • at 900 MHz / maximum

0.199 dB/m

#### impedance

##### • rated value

50 Ω

#### loop resistance per length / maximum

14.3 mΩ/m

#### operating voltage

##### • maximum

2000 V

### mechanical data

#### design of the shield

Braided shield made of tin-plated copper wires

#### outer diameter

##### • of cable sheath

7.62 mm

#### material

##### • of inner conductor

Cu

##### • of dielectric

PE

##### • of cable sheath

PE

#### color

##### • of cable sheath

Black

#### bending radius

##### • with single bend / minimum permissible

22.2 mm

##### • with multiple bends / minimum permissible

76.2 mm

#### tensile load / maximum

535 N

#### weight per length

80 kg/km

### ambient conditions

#### ambient temperature

##### • during operation

-40 ... +85 °C

##### • during storage

-70 ... +85 °C

##### • during transport

-40 ... +85 °C

##### • during installation

-40 ... +80 °C

#### fire behavior

Flame-resistant acc. to UL/NEC, CSA: CMR, FT4 (only cable without plug)

#### radiological resistance / to UV radiation

resistant

### product features, product functions, product components / general

#### product feature

<ul style="list-style-type: none"> <li>• halogen-free</li> </ul>	No
<b>standards, specifications, approvals</b>	
reference code	
<ul style="list-style-type: none"> <li>• according to IEC 81346-2</li> <li>• according to IEC 81346-2:2019</li> </ul>	WG WGB
<b>further information / internet links</b>	
internet link	
<ul style="list-style-type: none"> <li>• to website: Selection guide for cables and connectors</li> <li>• to web page: selection aid TIA Selection Tool</li> <li>• to web page: SiePortal</li> <li>• to website: Image database</li> <li>• to website: CAX-Download-Manager</li> <li>• to website: Industry Online Support</li> </ul>	<a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a> <a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a> <a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a> <a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a> <a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a> <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
<b>security information</b>	
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<b>Approvals / Certificates</b>	
General Product Approval	EMV



[KC](#)

<b>Environment</b>
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[Confirmation](#)

last modified:
 8/8/2024
 