

### Product type designation

Product description

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

Coaxial cable

SIMATIC RF600 CONN. CABLE FOR ANTENNA L20

PREASSEMBLED, BETWEEN READER AND ANTENNA, IP65 EU

AND US VERSION 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
Cable length	20 m

### Electrical data

Number of electrical connections	2
Type of electrical connection	RP-TNC (female, straight) / RP-TNC (female, straight)
Damping ratio per length <ul style="list-style-type: none"> <li>at 900 MHz / maximum</li> </ul>	0.199 dB/m
Impedance <ul style="list-style-type: none"> <li>Rated value</li> </ul>	50 $\Omega$
Loop resistance per length / maximum	14.3 m $\Omega$ /m
Operating voltage <ul style="list-style-type: none"> <li>maximum</li> </ul>	2000 V

### Mechanical data

Design of the shield	Braided shield made of tin-plated copper wires
Outer diameter <ul style="list-style-type: none"> <li>of cable sheath</li> </ul>	7.62 mm
Material <ul style="list-style-type: none"> <li>of inner conductor</li> <li>of dielectric</li> <li>of cable sheath</li> </ul>	Cu PE PE
Color <ul style="list-style-type: none"> <li>of cable sheath</li> </ul>	Black

Bending radius	
<ul style="list-style-type: none"> <li>• with single bend / minimum permissible</li> <li>• with multiple bends / minimum permissible</li> </ul>	<p>22.2 mm</p> <p>76.2 mm</p>
Tensile load / maximum	535 N
Weight per length	80 kg/km

#### Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> <li>• during transport</li> <li>• during installation</li> </ul>	<p>-40 ... +85 °C</p> <p>-70 ... +85 °C</p> <p>-40 ... +85 °C</p> <p>-40 ... +80 °C</p>
Burning behavior	flame resistant according to UL/NEC, CSA: CMR, FT4
Radiological resistance / to UV radiation	resistant

#### Product properties, functions, components / general

Product property	
<ul style="list-style-type: none"> <li>• halogen-free</li> </ul>	Yes

#### Further Information / Internet Links

Internet-Link	
<ul style="list-style-type: none"> <li>• to website: Industry Mall</li> <li>• to website: Information and Download Center</li> <li>• to website: Image database</li> <li>• to website: CAx Download Manager</li> <li>• to website: Industry Online Support</li> </ul>	<p><a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a></p> <p><a href="http://www.siemens.com/automation/net/catalog">http://www.siemens.com/automation/net/catalog</a></p> <p><a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a></p> <p><a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a></p> <p><a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a></p>

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