

### Product type designation

Product description

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

Coaxial cable

SIMATIC RF600 connecting cable for antenna L40 pre-assembled, between reader and antenna, IP65 PE, CMR/MPR, Length 40 m

Damping



Suitability for use	Plug-in cable for connecting a UHF antenna to an RF600 reader
Cable designation	LMR-400-FR LSZH UL
Wire length	40 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>	0.13 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>	10.3 mm

Material	
<ul style="list-style-type: none"> <li>• of inner conductor</li> <li>• of dielectric</li> <li>• of cable sheath</li> </ul>	<p>Cu</p> <p>PE</p> <p>PE</p>
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> </ul>	50 mm
Weight per length	133 kg/km

### 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 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>	Yes

### Further information / Internet-Links

Internet-Link	
<ul style="list-style-type: none"> <li>• to website: Selector SIMATIC NET SELECTION TOOL</li> <li>• to website: Industrial communication</li> <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://support.industry.siemens.com/cs/ww/en/view/67384964">https://support.industry.siemens.com/cs/ww/en/view/67384964</a></p> <p><a href="http://www.siemens.com/ident/rfid">http://www.siemens.com/ident/rfid</a></p> <p><a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a></p> <p><a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</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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