

Product type designation	Antenna cable for UHF, RP-TNC / RP-TNC
Product description	Coaxial cable SIMATIC RF600 CONNECT. CABLE ANTENNA L40 PREASSEMBLED, BETWEEN READER AND ANTENNA, IP65 PE, CMR/MPR, LENGTH 40 M ATTENUATION 5DB
Suitability for use	Plug-in cable for connecting a UHF antenna to an RF600 reader
Cable designation	LMR-400-FR LSZH UL
Cable 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	
• at 900 MHz / maximum	0.13 dB/m
Impedance	
• Rated value	50 Ω
Loop resistance per length / maximum	14.3 m Ω /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	10.3 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	50 mm
Weight per length	133 kg/km

Permitted ambient conditions

Ambient temperature	
• during operation	-40 ... +85 °C
• during storage	-70 ... +85 °C
• during transport	-40 ... +85 °C
• during installation	-40 ... +80 °C
Burning behavior	flame resistant according to UL/NEC, CSA: CMR, FT4

Radiological resistance / to UV radiation	resistant
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Product properties, functions, components / general

Product property	
• halogen-free	Yes

Further Information / Internet Links

Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	http://www.siemens.com/snst
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/automation/net/catalog
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAx Download Manager	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com

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