

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	RP-TNC (female, straight) / RP-TNC (female, straight)
Damping ratio per length <ul style="list-style-type: none"> at 900 MHz / maximum 	0.199 dB/m
Impedance <ul style="list-style-type: none"> Rated value 	50 Ω
Loop resistance per length / maximum	14.3 m Ω /m
Operating voltage <ul style="list-style-type: none"> maximum 	2000 V

Mechanical data

Design of the shield	Braided shield made of tin-plated copper wires
Outer diameter <ul style="list-style-type: none"> of cable sheath 	7.62 mm

Material	
<ul style="list-style-type: none"> • of inner conductor • of dielectric • of cable sheath 	<p>Cu</p> <p>PE</p> <p>PE</p>
Color	
<ul style="list-style-type: none"> • of cable sheath 	Black
Bending radius	
<ul style="list-style-type: none"> • with single bend / minimum permissible • with multiple bends / minimum permissible 	<p>22.2 mm</p> <p>76.2 mm</p>
Tensile load / maximum	535 N
Weight per length	80 kg/km

Ambient conditions	
Ambient temperature	
<ul style="list-style-type: none"> • during operation • during storage • during transport • during installation 	<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"> • halogen-free 	No

Further information / Internet-Links	
Internet-Link	
<ul style="list-style-type: none"> • to website: Selector SIMATIC NET SELECTION TOOL • to website: Industrial communication • to website: Industry Mall • to website: Information and Download Center • to website: Image database • to website: CAx Download Manager • to website: Industry Online Support 	<p>https://support.industry.siemens.com/cs/ww/en/view/67384964</p> <p>http://www.siemens.com/ident/rfid</p> <p>https://mall.industry.siemens.com</p> <p>http://www.siemens.com/industry/infocenter</p> <p>http://automation.siemens.com/bilddb</p> <p>http://www.siemens.com/cax</p> <p>https://support.industry.siemens.com</p>
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