

Data sheet

6GT2815-0BN20

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 • at 900 MHz / maximum	0.199 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	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
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	
• halogen-free	No

Further information / Internet-Links

Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	https://support.industry.siemens.com/cs/ww/en/view/67384964
• to website: Industrial communication	http://www.siemens.com/ident/rfid
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/industry/infocenter
• 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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