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Data sheet 6GT2815-0BN20

product type designation	**Antenna cable for UHF, RP-TNC / RP-TNC**
product description	Coaxial cable
	SIMATIC RF600 connecting cable for antenna L20 pre-assembled, between reader and antenna, IP65, PE, CMR/MPR, length 20 m.



product brand name	SIMATIC RF
Technical Product Detail Page	https://i.siemens.com/1P6GT2815-0BN20
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	R-TNC (female, straight) / R-TNC (female, straight)
attenuation factor per length	
● at 900 MHz / maximum	0.199 dB/m
impedance	
● rated value	50 Ω
loop resistance per length / maximum	14.3 mΩ/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
fire behavior	Flame-resistant acc. to UL/NEC, CSA: CMR, FT4 (only cable without plug)

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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: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358
● to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
● to web page: SiePortal	https://sieportal.siemens.com/
● to website: Image database	https://www.automation.siemens.com/bilddb
● to website: CAx-Download-Manager	https://www.siemens.com/cax
● to website: Industry Online Support	https://support.industry.siemens.com
security information	
security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement - and continuously maintain - a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)

Approvals / Certificates

General Product Approval

China RoHS | Manufacturer Declaration

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