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Data sheet 6GT2815-1BN10

product type designation	**Antenna cable for UHF, RP-TNC / RP-TNC**
product description	Coaxial cable
	SIMATIC RF600 connecting cable for antenna L10; damping 2 DB; pre-assembled; IP65; PE, CMR/MPR, length 10 m.



suitability for use	Plug-in cable for connecting a UHF antenna to an RF600 reader
cable designation	LMR-300
wire length	10 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)
radiological resistance / to UV radiation	resistant
product features, product functions, product components / general	
product feature	

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● halogen-free	No
standards, specifications, approvals	
reference code	
● according to IEC 81346-2	WG
● according to IEC 81346-2:2019	WGB
further information / internet links	
internet link	
● to web page: selection aid TIA 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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