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Data sheet 6GT2815-2BH50

product type designation	**Antenna cable for UHF, RP-TNC / RP-TNC**
product description	Highly flexible coaxial cable
	SIMATIC RF600 connecting cable for antenna L5; pre-assembled, between reader and antenna; IP65; trailing ; PE, CMR/MPR, length 5 m.



suitability for use	Plug-in cable for connecting a UHF antenna to an RF600 reader
cable designation	O2YS(ST)CY 1.4/3.7-50LI
wire length	5 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	0.288 dB/m
impedance	
● rated value	50 Ω
loop resistance per length / maximum	30 mΩ/m
operating voltage	
● maximum	1000 V
mechanical data	
design of the shield	Braided shield made of tin-plated copper wires
outer diameter	
● of cable sheath	5.5 mm
symmetrical tolerance of the outer diameter / of cable sheath	0.2 mm
material	
● of inner conductor	Cu
● of dielectric	PE
● of cable sheath	PVC
color	
● of cable sheath	Black
bending radius	
● with single bend / minimum permissible	22 mm
● with multiple bends / minimum permissible	44 mm
● with continuous bending	100 mm
number of bending cycles	100000
number of torsion cycles / with torsion by ± 180° on 1 m cable length	3000000
tensile load / maximum	190 N
weight per length	42 kg/km
ambient conditions	
ambient temperature	
● during operation	-25 ... +80 °C
● during storage	-25 ... +80 °C
● during transport	-25 ... +80 °C

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● during installation	-25 ... +80 °C
fire behavior	Flame-resistant in line with UL style 1354 (only cable without plug)
radiological resistance / to UV radiation	resistant
product features, product functions, product components / general	
product feature	
● halogen-free	No
● silicon-free	Yes
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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