

Data sheet

6GT2815-2BH50

Product type designation

Product description

Antenna cable for UHF, RP-TNC / RP-TNC

Highly flexible coaxial cable

SIMATIC RF600 CONNECT. CABLE ANTENNA L5;

PREASSEMBLED, BETWEEN READER AND ANTENNA; IP65;

TRAILING (TRAILING CAPABILITY); 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	RP-TNC (female, straight) / RP-TNC (female, straight)
Damping ratio per length	
• at 900 MHz / maximum	0.288 dB/m
Impedance	
• Rated value	50 Ω
Loop resistance per length / maximum	30 m Ω /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 • of dielectric • of cable sheath	Cu PE PVC
Color • of cable sheath	Black
Bending radius • with single bend / minimum permissible • with multiple bends / minimum permissible	22 mm 44 mm
Number of torsion cycles / with torsion by $\pm 180^\circ$ on 1 m cable length	3000000
Tensile load / maximum	190 N
Weight per length	42 kg/km

Permitted ambient conditions

Ambient temperature • during operation • during storage • during transport • during installation	-25 ... +80 °C -25 ... +80 °C -25 ... +80 °C -25 ... +80 °C
Burning behavior	flame resistant according to UL Style 1354
Radiological resistance / to UV radiation	resistant

Product properties, functions, components / general

Product feature • halogen-free • silicon-free	No Yes
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Further Information / Internet Links

Internet-Link • 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	https://support.industry.siemens.com/cs/ww/en/view/67385024 http://www.siemens.com/ident/rfid https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter http://automation.siemens.com/bilddb http://www.siemens.com/cax https://support.industry.siemens.com
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