

Data sheet

6GT2815-0BN40

Product type designation

Product description

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

Coaxial cable

SIMATIC RF600 CONNECT. CABLE ANTENNA L40

PREASSEMBLED, BETWEEN READER AND ANTENNA, IP65 PE, CMR/MPR, LENGTH 40 M ATTENUATION 5DB



Suitability for use	Plug-in cable for connecting a UHF antenna to an RF600 reader
Cable designation	LMR-400-FR LSZH UL
Wire length	40 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	0.13 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	10.3 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	50 mm
Weight per length	133 kg/km

Permitted 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 according to UL/NEC, CSA: CMR, FT4
Radiological resistance / to UV radiation	resistant

Product properties, functions, components / general

Product feature	
• halogen-free	Yes

Further Information / Internet Links

Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	https://support.industry.siemens.com/cs/ww/en/view/67385022
• 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

last modified: 08/11/2016