

Product type designation

Product description

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

Coaxial cable

SIMATIC RF600 CONNECT. CABLE ANTENNA L15;

PREASSEMBLED; IP65; TRAILING (TRAILING CAPABILITY); PE,

CMR/MPR, LENGTH 15 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
Cable length	15 m

Electrical data

Number of electrical connections	2
Type of electrical connection	RP-TNC (female, straight) / RP-TNC (female, straight)
Damping ratio per length <ul style="list-style-type: none"> • at 900 MHz / maximum 	0.288 dB/m
Impedance <ul style="list-style-type: none"> • Rated value 	50 Ω
Loop resistance per length / maximum	30 m Ω /m
Operating voltage <ul style="list-style-type: none"> • maximum 	1000 V

Mechanical data

Design of the shield	Braided shield made of tin-plated copper wires
Outer diameter <ul style="list-style-type: none"> • of cable sheath 	5.5 mm
Symmetrical tolerance of the outer diameter / of cable sheath	0.2 mm
Material <ul style="list-style-type: none"> • of inner conductor • of dielectric • of cable sheath 	Cu PE PVC

Color	
<ul style="list-style-type: none"> • of cable sheath 	Black
Bending radius	
<ul style="list-style-type: none"> • with single bend / minimum permissible 	22 mm
<ul style="list-style-type: none"> • with multiple bends / minimum permissible 	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	
<ul style="list-style-type: none"> • during operation 	-25 ... +80 °C
<ul style="list-style-type: none"> • during storage 	-25 ... +80 °C
<ul style="list-style-type: none"> • during transport 	-25 ... +80 °C
<ul style="list-style-type: none"> • during installation 	-25 ... +80 °C
Burning behavior	flame resistant according to UL Style 1354
Radiological resistance / to UV radiation	resistant

Product properties, functions, components / general

Product property	
<ul style="list-style-type: none"> • halogen-free 	No
<ul style="list-style-type: none"> • silicon-free 	Yes

Further Information / Internet Links

Internet-Link	
<ul style="list-style-type: none"> • to website: Industry Mall 	https://mall.industry.siemens.com
<ul style="list-style-type: none"> • to website: Information and Download Center 	http://www.siemens.com/automation/net/catalog
<ul style="list-style-type: none"> • to website: Image database 	http://automation.siemens.com/bilddb
<ul style="list-style-type: none"> • to website: CAx Download Manager 	http://www.siemens.com/cax
<ul style="list-style-type: none"> • to website: Industry Online Support 	https://support.industry.siemens.com

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