

Product type designation

Product description

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

Highly flexible coaxial cable

SIMATIC RF600 connecting cable for antenna L15; pre-assembled;

IP65; trailing ; 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
Wire 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 	<p>Cu</p> <p>PE</p> <p>PVC</p>
Color	
<ul style="list-style-type: none"> • of cable sheath 	Black
Bending radius	
<ul style="list-style-type: none"> • with single bend / minimum permissible • with multiple bends / minimum permissible • with continuous bending 	<p>22 mm</p> <p>44 mm</p> <p>100 mm</p>
Number of bending cycles	100000
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

Ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> • during operation • during storage • during transport • during installation 	<p>-25 ... +80 °C</p> <p>-25 ... +80 °C</p> <p>-25 ... +80 °C</p> <p>-25 ... +80 °C</p>
Burning 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	
<ul style="list-style-type: none"> • halogen-free • silicon-free 	<p>No</p> <p>Yes</p>

Further information / Internet-Links

Internet-Link	
<ul style="list-style-type: none"> • 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 	<p>https://support.industry.siemens.com/cs/ww/en/view/67384964</p> <p>http://www.siemens.com/ident/rfid</p> <p>https://mall.industry.siemens.com</p> <p>http://www.siemens.com/industry/infocenter</p> <p>http://automation.siemens.com/bilddb</p> <p>http://www.siemens.com/cax</p> <p>https://support.industry.siemens.com</p>
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