

### Product type designation

Product description

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

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
Cable 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 <ul style="list-style-type: none"> <li>at 900 MHz / maximum</li> </ul>	0.288 dB/m
Impedance <ul style="list-style-type: none"> <li>Rated value</li> </ul>	50 $\Omega$
Loop resistance per length / maximum	30 m $\Omega$ /m
Operating voltage <ul style="list-style-type: none"> <li>maximum</li> </ul>	1000 V

### Mechanical data

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

Color	
<ul style="list-style-type: none"> <li>• of cable sheath</li> </ul>	Black
Bending radius	
<ul style="list-style-type: none"> <li>• with single bend / minimum permissible</li> </ul>	22 mm
<ul style="list-style-type: none"> <li>• with multiple bends / minimum permissible</li> </ul>	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"> <li>• during operation</li> </ul>	-25 ... +80 °C
<ul style="list-style-type: none"> <li>• during storage</li> </ul>	-25 ... +80 °C
<ul style="list-style-type: none"> <li>• during transport</li> </ul>	-25 ... +80 °C
<ul style="list-style-type: none"> <li>• during installation</li> </ul>	-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"> <li>• halogen-free</li> </ul>	No
<ul style="list-style-type: none"> <li>• silicon-free</li> </ul>	Yes

#### Further Information / Internet Links

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

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