

### Product type designation

Product description

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

Highly flexible coaxial cable

SIMATIC RF600 connecting cable for antenna L5; pre-assembled, between reader and antenna; IP65; trailing ; PE, CMR/MPR, Length 5m



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 <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>	<p>Cu</p> <p>PE</p> <p>PVC</p>
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> <li>• with multiple bends / minimum permissible</li> <li>• with continuous bending</li> </ul>	<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

#### Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> <li>• during transport</li> <li>• during installation</li> </ul>	<p>-25 ... +80 °C</p> <p>-25 ... +80 °C</p> <p>-25 ... +80 °C</p> <p>-25 ... +80 °C</p>
Radiological resistance / to UV radiation	resistant

#### Product properties, functions, components / general

Product feature	
<ul style="list-style-type: none"> <li>• halogen-free</li> <li>• silicon-free</li> </ul>	<p>No</p> <p>Yes</p>

#### Further Information / Internet Links

Internet-Link	
<ul style="list-style-type: none"> <li>• to website: Selector SIMATIC NET SELECTION TOOL</li> <li>• to website: Industrial communication</li> <li>• to website: Industry Mall</li> <li>• to website: Information and Download Center</li> <li>• to website: Image database</li> <li>• to website: CAx Download Manager</li> <li>• to website: Industry Online Support</li> </ul>	<p><a href="https://support.industry.siemens.com/cs/ww/en/view/67384964">https://support.industry.siemens.com/cs/ww/en/view/67384964</a></p> <p><a href="http://www.siemens.com/ident/rfid">http://www.siemens.com/ident/rfid</a></p> <p><a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a></p> <p><a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a></p> <p><a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a></p> <p><a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a></p> <p><a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a></p>

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