

**Product type designation**  
Product description

**SIMATIC NET Antenna Connection Cable N-Connect Male/ Male**  
Connecting cable for SIMATIC NET antennas, preassembled N-Connect male/male flexible connection cable, harness; length 1 m, for suitable for railway applications; flexible cable, for example, for the connection to antennas, suitable for IWLAN and mobile radio



Suitability for use	Flexible connecting cable for connecting an antenna or Rcoax cable to a SCALANCE M/W, suitable for railway applications
Wire length	1 m
<b>Electrical data</b>	
Number of electrical connections	2
Type of electrical connection	N-Connect/N-Connect male/male
Transmission frequency	0 ... 6000 MHz
Damping ratio per length	
• at 2.4 GHz / typical	0.47 dB/m
• at 5.2 GHz / typical	0.77 dB/m
• at 5.85 GHz / typical	0.83 dB/m
Impedance	
• Rated value	50 $\Omega$
Capacity per length / at 1 kHz	80.2 pF/m
Relative speed	83 %
<b>Mechanical data</b>	
Outer diameter	

<ul style="list-style-type: none"> <li>• of inner conductor</li> <li>• of dielectric</li> <li>• of cable sheath</li> </ul>	<p>1.4 mm</p> <p>3.8 mm</p> <p>5.5 mm</p>
Symmetrical tolerance of the outer diameter / of cable sheath	0.1 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, silver plated</p> <p>SPEX</p> <p>RADOX</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> </ul>	<p>25 mm</p> <p>90 mm</p>
Number of bending cycles	50
Weight per length	47.8 kg/km

#### Ambient conditions

Ambient temperature <ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> <li>• during transport</li> </ul>	<p>-30 ... +100 °C</p> <p>-30 ... +100 °C</p> <p>-30 ... +100 °C</p>
Protection class IP	IP67; when plugged in

#### Product features, product functions, product components / general

Product feature <ul style="list-style-type: none"> <li>• halogen-free</li> <li>• silicon-free</li> </ul>	<p>Yes</p> <p>Yes</p>
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#### Standards, specifications, approvals

Certificate of suitability <ul style="list-style-type: none"> <li>• RoHS conformity</li> <li>• Fire protection in accordance with EN 45545-2</li> </ul>	<p>fire protection according to DIN 5510-2, NF F 16-101</p> <p>Yes</p> <p>Yes</p>
Standard <ul style="list-style-type: none"> <li>• for burning behavior / smoke emission</li> <li>• for burning behavior / flame resistance</li> <li>• for burning behavior / Toxic gas emission</li> </ul>	<p>EN 61034-2</p> <p>EN 60332-1-2, IEC 60332-3-22, EN 50305,9.1.2</p> <p>NF-X 70-100</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> </ul>	<p><a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a></p> <p><a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</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>
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- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

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