

**product type designation**

product description

**antenna connection cable N-Connect/SMA plug/plug**

Connecting cable for SIMATIC NET antennas, preassembled

N-Connect/SMA male/ male flexible connection cable pre-assembled, Length 1 m, flexible connecting cable SCALANCE M antenna.



Technical Product Detail Page

<https://l.siemens.com/1P6XV1875-5LH10>

suitability for use

Flexible connecting cable for connecting an antenna to SCALANCE M

wire length

1 m

**electrical data**

number of electrical connections

2

type of electrical connection

N-Connect/SMA male/male

transmission frequency

0 ... 6000 MHz

attenuation factor per length

- at 2.4 GHz / typical 0.53 dB/m
- at 5.2 GHz / typical 0.83 dB/m
- at 5.85 GHz / typical 0.89 dB/m

return loss

- minimum 23 dB

impedance

- rated value 50 Ω

capacity per length / at 1 kHz

82 pF/m

relative speed

82 %

**mechanical data**

design of the shield

Braided shield made of tin-plated copper wires

outer diameter

- of inner conductor 1.4 mm
- of dielectric 3.8 mm
- of cable sheath 6.3 mm

symmetrical tolerance of the outer diameter / of cable sheath

0.2 mm

thickness / of cable sheath

1.76 mm

material

- of inner conductor Cu
- of dielectric polyethylene foam
- of cable sheath FRNC

color

- of cable sheath pastel turquoise

bending radius

- with single bend / minimum permissible 32 mm
- with multiple bends / minimum permissible 45 mm

tensile load / maximum

80 N

weight per length

75 kg/km

**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>-40 ... +80 °C</p> <p>-40 ... +80 °C</p> <p>-40 ... +80 °C</p> <p>-25 ... +80 °C</p>
chemical resistance	
<ul style="list-style-type: none"> <li>to mineral oil</li> </ul>	conditional resistance
radiological resistance / to UV radiation	resistant
protection class IP	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>

#### standards, specifications, approvals

certificate of suitability	
<ul style="list-style-type: none"> <li>EAC approval</li> <li>RoHS conformity</li> <li>fire protection in accordance with EN 45545-2</li> </ul>	<p>Yes</p> <p>Yes</p> <p>No</p>
<ul style="list-style-type: none"> <li>standard / for fire behavior / flame resistance</li> </ul>	UL 1685 (Vertical tray), UL 1581 Sec. 1090 (H)

#### further information / internet links

internet link	
<ul style="list-style-type: none"> <li>to website: Selection guide for cables and connectors</li> <li>to web page: selection aid TIA Selection Tool</li> <li>to web page: SiePortal</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/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a></p> <p><a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a></p> <p><a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a></p> <p><a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a></p> <p><a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a></p> <p><a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a></p>

#### security information

security information	<p>Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit <a href="http://www.siemens.com/cybersecurity-industry">www.siemens.com/cybersecurity-industry</a>. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under <a href="https://www.siemens.com/cert">https://www.siemens.com/cert</a>. (V4.7)</p>
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#### Approvals / Certificates

##### General Product Approval



[Manufacturer Declaration](#)

[China RoHS](#)

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