

### product type designation

product description

### antenna connection cable N-Connect plug/plug

Connecting cable for SIMATIC NET antennas, preassembled

N-Connect male/male flexible connection cable pre-assembled; length 10 m flexible cable, for example, for the connection to antennas, suitable for IWLAN and mobile radio.



Technical Product Detail Page

<https://l.siemens.com/1P6XV1875-5AN10>

suitability for use

Flexible connecting cable for connecting an antenna or RCoax cable to a SCALANCE M/W

wire length

10 m

### electrical data

number of electrical connections

2

type of electrical connection

N-Connect/N-Connect male/male

transmission frequency

0 ... 6000 MHz

attenuation factor per length

- at 2.4 GHz / typical
- at 5.2 GHz / typical
- at 5.85 GHz / typical

0.53 dB/m  
0.83 dB/m  
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
- of dielectric
- of cable sheath

1.4 mm  
3.8 mm  
6.3 mm

symmetrical tolerance of the outer diameter / of cable sheath

0.2 mm

thickness / of cable sheath

0.76 mm

material

- of inner conductor
- of dielectric
- of cable sheath

Cu  
polyethylene foam  
FRNC

color

- of cable sheath

pastel turquoise

bending radius

- with single bend / minimum permissible
- with multiple bends / minimum permissible

32 mm  
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>	-40 ... +80 °C -40 ... +80 °C -40 ... +80 °C -25 ... +80 °C
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	IP68; 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>	Yes Yes

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>	Yes Yes No
<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>	<a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a> <a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a> <a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a> <a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a> <a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a> <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>

security information	
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#### Approvals / Certificates

**General Product Approval**



EG-Konf.





CCC

[Manufacturer Declaration](#)

[China RoHS](#)

last modified: 10/28/2025 