

Data sheet

6XV1875-5AH20

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 2 m flexible cable, for example, for the connection to antennas, suitable for IWLAN and mobile radio.



Technical Product Detail Page

<https://l.siemens.com/1P6XV1875-5AH20>

suitability for use

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

wire length

2 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 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

0.76 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"> during operation during storage during transport during installation 	-40 ... +80 °C -40 ... +80 °C -40 ... +80 °C -25 ... +80 °C
chemical resistance	
<ul style="list-style-type: none"> to mineral oil 	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"> halogen-free silicon-free 	Yes Yes
standards, specifications, approvals	
certificate of suitability	
<ul style="list-style-type: none"> EAC approval RoHS conformity fire protection in accordance with EN 45545-2 	Yes Yes No
<ul style="list-style-type: none"> standard / for fire behavior / flame resistance 	UL 1685 (Vertical tray), UL 1581 Sec. 1090 (H)
further information / internet links	
internet link	
<ul style="list-style-type: none"> to website: Selection guide for cables and connectors to web page: selection aid TIA Selection Tool to web page: SiePortal to website: Image database to website: CAx-Download-Manager to website: Industry Online Support 	https://support.industry.siemens.com/cs/ww/en/view/109766358 https://www.siemens.com/tstcloud https://sieportal.siemens.com/ https://www.automation.siemens.com/bilddb https://www.siemens.com/cax https://support.industry.siemens.com
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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 www.siemens.com/cybersecurity-industry. 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 https://www.siemens.com/cert. (V4.7)</p>

Approvals / Certificates

General Product Approval



[Manufacturer Declaration](#)

[China RoHS](#)

last modified:

10/28/2025

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