SIEMENS

Data sheet 6XV1875-5AH20

product type designation	**antenna connection cable N-Connect plug/plug**
product description	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.



product brand name	SIMATIC NET
Technical Product Detail Page	https://i.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

Subject to change without notice
© Copyright Siemens

weight per length	75 kg/km
ambient conditions	
ambient temperature	
● during operation	-40 ... +80 °C
● during storage	-40 ... +80 °C
● during transport	-40 ... +80 °C
● during installation	-25 ... +80 °C
chemical resistance	
● 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	
● halogen-free	Yes
● silicon-free	Yes
standards, specifications, approvals	
certificate of suitability	
● EAC approval	Yes
● RoHS conformity	Yes
● fire protection in accordance with EN 45545-2	No
● standard / for fire behavior / flame resistance	UL 1685 (Vertical tray), UL 1581 Sec. 1090 (H)
further information / internet links	
internet link	
● to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358
● to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
● to web page: SiePortal	https://sieportal.siemens.com/
● to website: Image database	https://www.automation.siemens.com/bilddb
● to website: CAx-Download-Manager	https://www.siemens.com/cax
● to website: Industry Online Support	https://support.industry.siemens.com
security information	
security information	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)

Approvals / Certificates

General Product Approval

CE EG-Konf. UKCA

Manufacturer Declaration

China RoHS

last modified: 3/10/2026

Subject to change without notice
© Copyright Siemens