SIEMENS

Data sheet 6XV1875-5SH20

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, for suitable for railway applications; 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/1P6XV1875-5SH20
suitability for use	Flexible connecting cable for connecting an antenna or Rcoax cable to a SCALANCE M/W, suitable for railway applications
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	0.47 dB/m
● at 5.2 GHz / typical	0.77 dB/m
● at 5.85 GHz / typical	0.83 dB/m
impedance	
● rated value	50 Ω
capacity per length / at 1 kHz	80.2 pF/m
relative speed	83 %
mechanical data	
outer diameter	
● of inner conductor	1.4 mm
● of dielectric	3.8 mm
● of cable sheath	5.5 mm
symmetrical tolerance of the outer diameter / of cable sheath	0.1 mm
material	
● of inner conductor	Cu, silver plated
● of dielectric	SPEX
● of cable sheath	RADOX
color	
● of cable sheath	Black
bending radius	
● with single bend / minimum permissible	25 mm
● with multiple bends / minimum permissible	90 mm
number of bending cycles	50
weight per length	47.8 kg/km
ambient conditions	
ambient temperature	
● during operation	-30 ... +100 °C

Subject to change without notice
© Copyright Siemens

● during storage	-30 ... +100 °C
● during transport	-30 ... +100 °C
protection class IP	IP67; when plugged in
product features, product functions, product components / general	
product feature	
● halogen-free	Yes
● silicon-free	Yes
standards, specifications, approvals	
certificate of suitability	fire protection according to NF F 16-101
● RoHS conformity	Yes
● fire protection in accordance with EN 45545-2	Yes
● standard / for fire behavior / smoke emission	EN 61034-2
● standard / for fire behavior / flame resistance	EN 60332-1-2, IEC 60332-3-22, EN 50305,9.1.2
● standard / for fire behavior / toxic gas emission	NF-X 70-100
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				Railway
CE EG-Konf.	UKCA	Manufacturer Declaration	China RoHS	Confirmation

last modified: 3/10/2026

Subject to change without notice
© Copyright Siemens