

product type designation

product description

antenna connection cable N-Connect/RSMA plug/plug

Connecting cable for SIMATIC NET antennas, preassembled

N-Connect/ R-SMA male/male Flexible connection cable pre-assembled, for Suitable for railway applications; flexible connecting cable e.g. for access point antenna Length: 5 m.



Technical Product Detail Page

<https://l.siemens.com/1P6XV1875-5TH50>

suitability for use

Flexible connecting cable for connecting an antenna or Rcoax cable to a SCALANCE M/W, suitable for railway applications

wire length

5 m

electrical data

number of electrical connections

2

type of electrical connection

N-Connect/R-SMA 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

0.47 dB/m
0.77 dB/m
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
- of dielectric
- of cable sheath

1.4 mm
3.8 mm
5.5 mm

symmetrical tolerance of the outer diameter / of cable sheath

0.1 mm

material

- of inner conductor
- of dielectric
- of cable sheath

Cu, silver plated
SPEX
RADOX

color

- of cable sheath

Black

bending radius

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

25 mm
90 mm

number of bending cycles

50

weight per length

47.8 kg/km

ambient conditions

ambient temperature

- during operation
- during storage

-30 ... +100 °C
-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 / 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
---------------------------------	----------------



[Manufacturer Declaration](#)

[China RoHS](#)

[Confirmation](#)

last modified:

10/28/2025