

### 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: 1 m.



Technical Product Detail Page

<https://l.siemens.com/1P6XV1875-5TH10>

suitability for use

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

wire length

1 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
<b>product features, product functions, product components / general</b>	
product feature	
• halogen-free	Yes
• silicon-free	Yes
<b>standards, specifications, approvals</b>	
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
<b>further information / internet links</b>	
internet link	
• to website: Selection guide for cables and connectors	<a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a>
• to web page: selection aid TIA Selection Tool	<a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>
• to web page: SiePortal	<a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a>
• to website: Image database	<a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a>
• to website: CAX-Download-Manager	<a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a>
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<b>security information</b>	
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**Approvals / Certificates**

<b>General Product Approval</b>	<b>Railway</b>
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[Manufacturer Declaration](#)

[China RoHS](#)

[Confirmation](#)

last modified:

10/28/2025