

### product type designation

### product description

### SIMATIC NET Antenna Connection Cable N-Connect Male/ Male

Connecting cable for SIMATIC NET antennas, preassembled

N-Connect male/male flexible connection cable pre-assembled; length 1 m; flexible cable, for example, for the connection to antennas, suitable for IWLAN and mobile radio



### suitability for use

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

### wire length

1 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
- at 5.2 GHz / typical
- at 5.85 GHz / typical

0.53 dB/m  
0.83 dB/m  
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
- of dielectric
- of cable sheath

1.4 mm  
3.8 mm  
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
- of dielectric
- of cable sheath

Cu  
polyethylene foam  
FRNC

#### color

- of cable sheath

pastel turquoise

#### bending radius

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

32 mm  
45 mm

#### tensile load / maximum

80 N

weight per length	75 kg/km
<b>ambient conditions</b>	
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
<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	
• 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), ECE-R 118.02
<b>further information / internet-Links</b>	
Internet-Link	
• to web page: selection aid TIA Selection Tool	<a href="http://www.siemens.com/tia-selection-tool">http://www.siemens.com/tia-selection-tool</a>
• to website: Industrial communication	<a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>
• to website: Industry Mall	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>
• to website: Information and Download Center	<a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>
• to website: Selection guide for cables and connectors	<a href="https://sie.ag/2QdlxcP">https://sie.ag/2QdlxcP</a>
• to website: Image database	<a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>
• to website: CAx-Download-Manager	<a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>
• to website: Industry Online Support	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>

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