

### product type designation

product description

### antenna connection cable N-Connect plug/plug

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.



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
- 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

### ambient conditions

ambient temperature

|                                                                                                                                                   |                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> <li>during transport</li> <li>during installation</li> </ul> | -40 ... +80 °C<br>-40 ... +80 °C<br>-40 ... +80 °C<br>-25 ... +80 °C |
| chemical resistance                                                                                                                               |                                                                      |
| <ul style="list-style-type: none"> <li>to mineral oil</li> </ul>                                                                                  | conditional resistance                                               |
| radiological resistance / to UV radiation                                                                                                         | resistant                                                            |
| protection class IP                                                                                                                               | IP68; when plugged in                                                |

#### product features, product functions, product components / general

|                                                                                      |            |
|--------------------------------------------------------------------------------------|------------|
| product feature                                                                      |            |
| <ul style="list-style-type: none"> <li>halogen-free</li> <li>silicon-free</li> </ul> | Yes<br>Yes |

#### standards, specifications, approvals

|                                                                                                                                                |                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| certificate of suitability                                                                                                                     |                                                |
| <ul style="list-style-type: none"> <li>EAC approval</li> <li>RoHS conformity</li> <li>fire protection in accordance with EN 45545-2</li> </ul> | Yes<br>Yes<br>No                               |
| standard                                                                                                                                       |                                                |
| <ul style="list-style-type: none"> <li>for fire behavior / flame resistance</li> </ul>                                                         | UL 1685 (Vertical tray), UL 1581 Sec. 1090 (H) |
| reference code                                                                                                                                 |                                                |
| <ul style="list-style-type: none"> <li>according to IEC 81346-2</li> <li>according to IEC 81346-2:2019</li> </ul>                              | WG<br>WGB                                      |

#### further information / internet links

|                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| internet link                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <ul style="list-style-type: none"> <li>to website: Selection guide for cables and connectors</li> <li>to web page: selection aid TIA Selection Tool</li> <li>to web page: SiePortal</li> <li>to website: Image database</li> <li>to website: CAX-Download-Manager</li> <li>to website: Industry Online Support</li> </ul> | <a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a><br><a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a><br><a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a><br><a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a><br><a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a><br><a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a> |

#### security information

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#### Approvals / Certificates

| General Product Approval                                                                                                                                                                                                                                    | Environment                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
|    | <a href="#">Confirmation</a> |

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