

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 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 0.53 dB/m
- at 5.2 GHz / typical 0.83 dB/m
- at 5.85 GHz / typical 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 1.4 mm
- of dielectric 3.8 mm
- of cable sheath 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 Cu
- of dielectric polyethylene foam
- of cable sheath FRNC

color

- of cable sheath pastel turquoise

bending radius

- with single bend / minimum permissible 32 mm
- with multiple bends / minimum permissible 45 mm

tensile load / maximum

80 N

weight per length

75 kg/km

ambient conditions

ambient temperature

| | |
|---|--|
| <ul style="list-style-type: none"> • during operation • during storage • during transport • during installation | -40 ... +80 °C |
| chemical resistance | |
| <ul style="list-style-type: none"> • to mineral oil | 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"> • halogen-free • silicon-free | Yes Yes |
| standards, specifications, approvals | |
| certificate of suitability | |
| <ul style="list-style-type: none"> • EAC approval • RoHS conformity • fire protection in accordance with EN 45545-2 | Yes Yes No |
| standard | |
| <ul style="list-style-type: none"> • for fire behavior / flame resistance | UL 1685 (Vertical tray), UL 1581 Sec. 1090 (H), ECE-R 118.02 |
| reference code | |
| <ul style="list-style-type: none"> • according to IEC 81346-2 • according to IEC 81346-2:2019 | WG WGB |
| further information / internet links | |
| internet link | |
| <ul style="list-style-type: none"> • to web page: selection aid TIA Selection Tool • to website: Industrial communication • to website: Industry Mall • to website: Information and Download Center • to website: Selection guide for cables and connectors • to website: Image database • to website: CAx-Download-Manager • to website: Industry Online Support | http://www.siemens.com/tia-selection-tool http://www.siemens.com/simatic-net https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter https://sie.ag/2QdlxcP http://automation.siemens.com/bilddb http://www.siemens.com/cax https://support.industry.siemens.com |

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