

product type designation

product description

antenna connection cable N-Connect/SMA plug/plug

Connecting cable for SIMATIC NET antennas, preassembled

N-Connect/ SMA male/male Flexible connection cable pre-assembled, for Suitable for railway applications; flexible connecting cable e.g. for SCALANCE M antenna length: 5 m.



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/SMA male/male

transmission frequency

0 ... 6000 MHz

attenuation factor per length

- at 2.4 GHz / typical 0.47 dB/m
- at 5.2 GHz / typical 0.77 dB/m
- at 5.85 GHz / typical 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 1.4 mm
- of dielectric 3.8 mm
- of cable sheath 5.5 mm

symmetrical tolerance of the outer diameter / of cable sheath

0.1 mm

material

- of inner conductor Cu, silver plated
- of dielectric SPEX
- of cable sheath RADOX

color

- of cable sheath Black

bending radius

- with single bend / minimum permissible 25 mm
- with multiple bends / minimum permissible 90 mm

number of bending cycles

50

weight per length

47.8 kg/km

ambient conditions

ambient temperature

- during operation -30 ... +100 °C
- during storage -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

- RoHS conformity Yes
- fire protection in accordance with EN 45545-2 Yes

standard

- for fire behavior / smoke emission EN 61034-2
- for fire behavior / flame resistance EN 60332-1-2, IEC 60332-3-22, EN 50305,9.1.2
- for fire behavior / toxic gas emission NF-X 70-100

reference code

- according to IEC 81346-2 WG
- according to IEC 81346-2:2019 WGB

further information / internet links

internet link

- to web page: selection aid TIA Selection Tool <http://www.siemens.com/tia-selection-tool>
- to website: Industrial communication <http://www.siemens.com/simatic-net>
- to website: Industry Mall <https://mall.industry.siemens.com>
- to website: Information and Download Center <http://www.siemens.com/industry/infocenter>
- to website: Selection guide for cables and connectors <https://sie.ag/2QdlxcP>
- to website: Image database <http://automation.siemens.com/bilddb>
- to website: CAx-Download-Manager <http://www.siemens.com/cax>
- to website: Industry Online Support <https://support.industry.siemens.com>

last modified:2/3/2023 