

product type designation

product description

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

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 W antenna Length: 2 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

2 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
- 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

-30 ... +100 °C

<ul style="list-style-type: none"> • during storage • during transport 	-30 ... +100 °C
protection class IP	IP67; 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	fire protection according to DIN 5510-2, NF F 16-101
<ul style="list-style-type: none"> • RoHS conformity • fire protection in accordance with EN 45545-2 	Yes Yes
standard	
<ul style="list-style-type: none"> • for fire behavior / smoke emission • for fire behavior / flame resistance • for fire behavior / toxic gas emission 	EN 61034-2 EN 60332-1-2, IEC 60332-3-22, EN 50305,9.1.2 NF-X 70-100
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: 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 http://automation.siemens.com/bilddb http://www.siemens.com/cax https://support.industry.siemens.com
last modified:	1/20/2021 