

product type designation

product description

antenna connection cable N-Connect/RSMA plug/plug

Connecting cable for SIMATIC NET antennas, preassembled

N-Connect/ R-SMA male/male flexible connection cable pre-assembled, for suitable for railway applications; flexible connecting cable e.g. for access point antenna Length: 3 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

3 m

electrical data

number of electrical connections

2

type of electrical connection

N-Connect/R-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	fire protection according to NF F 16-101
• 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:	9/12/2023 