

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: 1 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

1 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 website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358
• to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
• to website: Industrial communication	https://www.siemens.com/simatic-net
• to web page: SiePortal	https://sieportal.siemens.com/
• to website: Image database	https://www.automation.siemens.com/bilddb
• to website: CAX-Download-Manager	https://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com

security information

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Approvals / Certificates

General Product Approval	Environment
 EG-Konf.	
 CCC	Confirmation

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