

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, length 1 m flexible connecting cable Access point antenna (RCoax and others).



suitability for use

Flexible connecting cable for connecting an antenna to an access point/client

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
- at 5.2 GHz / typical
- at 5.85 GHz / typical

0.53 dB/m
0.83 dB/m
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
- of dielectric
- of cable sheath

1.4 mm
3.8 mm
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
- of dielectric
- of cable sheath

Cu
polyethylene foam
FRNC

color

- of cable sheath

pastel turquoise

bending radius

- with single bend / minimum permissible
- with multiple bends / minimum permissible

32 mm
45 mm

tensile load / maximum

80 N

weight per length

75 kg/km

ambient conditions

ambient temperature	
• during operation	-40 ... +80 °C
• during storage	-40 ... +80 °C
• during transport	-40 ... +80 °C
• during installation	-25 ... +80 °C
chemical resistance	
• 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	
• halogen-free	Yes
• silicon-free	Yes
standards, specifications, approvals	
certificate of suitability	
• EAC approval	Yes
• RoHS conformity	Yes
• fire protection in accordance with EN 45545-2	No
standard	
• for fire behavior / flame resistance	UL 1685 (Vertical tray), UL 1581 Sec. 1090 (H)
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

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