

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: 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 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	
<ul style="list-style-type: none"> • halogen-free • silicon-free 	<p>Yes</p> <p>Yes</p>
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 	<p>Yes</p> <p>Yes</p>
standard	
<ul style="list-style-type: none"> • for fire behavior / smoke emission • for fire behavior / flame resistance • for fire behavior / toxic gas emission 	<p>EN 61034-2</p> <p>EN 60332-1-2, IEC 60332-3-22, EN 50305,9.1.2</p> <p>NF-X 70-100</p>
reference code	
<ul style="list-style-type: none"> • according to IEC 81346-2 • according to IEC 81346-2:2019 	<p>WG</p> <p>WGB</p>
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: Selection guide for cables and connectors • to website: Image database • to website: CAx-Download-Manager • to website: Industry Online Support 	<p>http://www.siemens.com/tia-selection-tool</p> <p>http://www.siemens.com/simatic-net</p> <p>https://mall.industry.siemens.com</p> <p>http://www.siemens.com/industry/infocenter</p> <p>https://sie.ag/2QdlxcP</p> <p>http://automation.siemens.com/bilddb</p> <p>http://www.siemens.com/cax</p> <p>https://support.industry.siemens.com</p>
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