

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, Length 5 m, flexible connecting cable SCALANCE M antenna.



suitability for use
wire length

Flexible connecting cable for connecting an antenna to SCALANCE M
5 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	0.53 dB/m
• at 5.2 GHz / typical	0.83 dB/m
• at 5.85 GHz / typical	0.89 dB/m
return loss	
• minimum	23 dB
impedance	
• rated value	50 Ω
capacity per length / at 1 kHz	85 pF/m
relative speed	82 %

mechanical data

design of the shield	Braided shield made of tin-plated copper wires
outer diameter	
• of inner conductor	1.4 mm
• of dielectric	3.8 mm
• of cable sheath	6.3 mm
symmetrical tolerance of the outer diameter / of cable sheath	0.2 mm
thickness / of cable sheath	3.76 mm
material	
• of inner conductor	Cu
• of dielectric	polyethylene foam
• of cable sheath	FRNC
color	
• of cable sheath	pastel turquoise
bending radius	
• with single bend / minimum permissible	32 mm
• with multiple bends / minimum permissible	45 mm
tensile load / maximum	80 N
weight per length	75 kg/km

ambient conditions

ambient temperature	
• during operation	-40 ... +80 °C

- during storage
- during transport
- during installation

chemical resistance

- to mineral oil

radiological resistance / to UV radiation

protection class IP

-40 ... +80 °C

-40 ... +80 °C

-25 ... +80 °C

conditional resistance

resistant

when plugged in

product features, product functions, product components / general

product feature

- halogen-free
- silicon-free

Yes

Yes

standards, specifications, approvals

certificate of suitability

- EAC approval
- RoHS conformity
- fire protection in accordance with EN 45545-2

Yes

Yes

No

standard

- for fire behavior / flame resistance

UL 1685 (Vertical tray), UL 1581 Sec. 1090 (H)

reference code

- according to IEC 81346-2
- according to IEC 81346-2:2019

WG

WGB

further information / internet-Links

Internet-Link

- 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

<http://www.siemens.com/tia-selection-tool>

<http://www.siemens.com/simatic-net>

<https://mall.industry.siemens.com>

<http://www.siemens.com/industry/infocenter>

<https://sie.ag/2QdlxcP>

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

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