

product type designation	antenna connection cable N-Connect plug/plug
product description	Connecting cable for SIMATIC NET antennas, preassembled
	N-Connect male/male flexible connection cable pre-assembled; length 1 m; flexible cable, for example, for the connection to antennas, suitable for IWLAN and mobile radio.
	
suitability for use	Flexible connecting cable for connecting an antenna or RCoax cable to a SCALANCE M/W
wire length	1 m
electrical data	
number of electrical connections	2
type of electrical connection	N-Connect/N-Connect 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	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	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	0.76 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 - during storage - during transport - during installation	-40 ... +80 °C -40 ... +80 °C -40 ... +80 °C -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 - 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), ECE-R 118.02
reference code	
- according to IEC 81346-2 - according to IEC 81346-2:2019	WG WGB

further information / internet links

internet link	
- to web page: SiePortal - to website: Image database - to website: Industry Online Support	https://sieportal.siemens.com/ https://www.automation.siemens.com/bilddb https://support.industry.siemens.com

security information

security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry . Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert . (V4.7)
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Approvals / Certificates

General Product Approval	Environment
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[Manufacturer Declaration](#)

[Confirmation](#)

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