

### Product type designation

**SIMATIC NET Antenna Connection Cable N-Connect/RSMA Male/Male**

### Product description

Connecting cable for SIMATIC NET antennas, preassembled N-Connect/ R-SMA male/male flexible connection cable pre-assembled, length 10 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	10 m
<b>Electrical data</b>	
Number of electrical connections	2
Type of electrical connection	N-Connect/RSMA male/male
Transmission frequency	0 ... 6000 MHz
Damping ratio 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 $\Omega$
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 <ul style="list-style-type: none"> <li>• of inner conductor</li> <li>• of dielectric</li> <li>• of cable sheath</li> </ul>	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 <ul style="list-style-type: none"> <li>• of inner conductor</li> <li>• of dielectric</li> <li>• of cable sheath</li> </ul>	Cu polyethylene foam FRNC
Color <ul style="list-style-type: none"> <li>• of cable sheath</li> </ul>	pastel turquoise
Bending radius <ul style="list-style-type: none"> <li>• with single bend / minimum permissible</li> <li>• with multiple bends / minimum permissible</li> </ul>	32 mm 45 mm
Tensile load / maximum	80 N
Weight per length	75 kg/km
Permitted ambient conditions	
Ambient temperature <ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> <li>• during transport</li> <li>• during installation</li> </ul>	-40 ... +80 °C -40 ... +80 °C -40 ... +80 °C -25 ... +80 °C
Chemical resistance <ul style="list-style-type: none"> <li>• to mineral oil</li> </ul>	conditional resistance
Radiological resistance / to UV radiation	resistant
Protection class IP	IP68; when plugged in
Product properties, functions, components / general	
Product feature <ul style="list-style-type: none"> <li>• halogen-free</li> <li>• silicon-free</li> </ul>	Yes Yes
Standards, specifications, approvals	
Certificate of suitability <ul style="list-style-type: none"> <li>• RoHS conformity</li> <li>• Fire protection in accordance with EN 45545-2</li> </ul>	Yes No
Standard <ul style="list-style-type: none"> <li>• for burning behavior / flame resistance</li> </ul>	UL 1685 (Vertical tray), UL 1581 Sec. 1090 (H)

## Further Information / Internet Links

### Internet-Link

- to website: Selector SIMATIC NET SELECTION TOOL <http://www.siemens.com/snst>
- 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: 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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