

Product type designation	SIMATIC NET Antenna Connection Cable N-Connect/SMA Male/Male
Product description	Connecting cable for SIMATIC NET antennas, preassembled SIMATIC NET N-CONNECT/SMA MALE/ MALE FLEXIBLE CONNECTION CABLE PREASSEMBLED, LENGTH 1M, FLEXIBLE CONNECTION CABLE SCALANCE M - ANTENNA



Suitability for use	Flexible connecting cable for connecting an antenna to SCALANCE M
Cable length	1 m

Electrical data	
Number of electrical connections	2
Type of electrical connection	N-Connect/SMA 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 Ω
Capacity per length / at 1 kHz	83 pF/m
Relative speed	83 %

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	1.76 mm
Material <ul style="list-style-type: none"> • of inner conductor • of dielectric • of cable sheath 	<p>Cu</p> <p>polyethylene foam</p> <p>FRNC</p>
Color <ul style="list-style-type: none"> • of cable sheath 	pastel turquoise
Bending radius <ul style="list-style-type: none"> • with single bend / minimum permissible • with multiple bends / minimum permissible 	<p>32 mm</p> <p>45 mm</p>
Tensile load / maximum	80 N
Weight per length	75 kg/km

Permitted ambient conditions

Ambient temperature <ul style="list-style-type: none"> • during operation • during storage • during transport • during installation 	<p>-40 ... +80 °C</p> <p>-40 ... +80 °C</p> <p>-40 ... +80 °C</p> <p>-25 ... +80 °C</p>
Burning behavior	UL 1685 (Vertical tray) and UL 1581, Sec. 1090 (H)
Chemical resistance <ul style="list-style-type: none"> • to mineral oil 	Conditional resistance
Radiological resistance / to UV radiation	resistant
Protection class IP	when plugged in

Product properties, functions, components / general

Product property <ul style="list-style-type: none"> • halogen-free • silicon-free 	<p>Yes</p> <p>Yes</p>
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Standards, specifications, approvals

Certificate of suitability <ul style="list-style-type: none"> • RoHS conformity 	Yes
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Further Information / Internet Links

Internet-Link <ul style="list-style-type: none"> • to website: Selector SIMATIC NET SELECTION TOOL • to website: Industrial communication • to website: Industry Mall • to website: Information and Download Center • to website: Image database • to website: CAx Download Manager 	<p>http://www.siemens.com/snst</p> <p>http://www.siemens.com/simatic-net</p> <p>https://mall.industry.siemens.com</p> <p>http://www.siemens.com/automation/net/catalog</p> <p>http://automation.siemens.com/bilddb</p> <p>http://www.siemens.com/cax</p>
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- to website: Industry Online Support

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

last modified:

16.03.2015