

Product type designation

SIMATIC NET Antenna Connection Cable N-Connect/RSMA

Product description

Male/Male

Connecting cable for SIMATIC NET antennas, preassembled SIMATIC NET N-CONNECT/ R-SMA MALE/MALE FLEXIBLE CONNECTION CABLE PREASSEMBLED, LENGTH 10M FLEXIBLE CONNECTION CABLE ACCESSPOINT - ANTENNA (RCOAX AND OTHERS)



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|---------------------|---|
| Suitability for use | Flexible connecting cable for connecting an antenna to an access point/client |
| Cable length | 10 m |

Electrical data

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|----------------------------------|--------------------------|
| 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 Ω |
| Capacity per length / at 1 kHz | 82 pF/m |
| Relative speed | 82 % |

Mechanical data

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| 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 |

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| 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"> • 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

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|---|---|
| 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 | IP68; when plugged in |

Product properties, functions, components / general

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

Standards, specifications, approvals

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

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|---|---|
| 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:

12.03.2015