

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 1m 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 | 1 m |
| electrical data | |
| 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 | |
|---|--|
| design of the shield | Braided shield made of tin-plated copper wires |
| outer diameter <ul style="list-style-type: none"> • of inner conductor • of dielectric • of cable sheath | 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"> • of inner conductor • of dielectric • of cable sheath | Cu polyethylene foam FRNC |
| 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 | 32 mm 45 mm |
| tensile load / maximum | 80 N |
| weight per length | 75 kg/km |
| ambient conditions | |
| ambient temperature <ul style="list-style-type: none"> • during operation • during storage • during transport • during installation | -40 ... +80 °C -40 ... +80 °C -40 ... +80 °C -25 ... +80 °C |
| 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 features, product functions, product components / general | |
| product feature <ul style="list-style-type: none"> • halogen-free • silicon-free | Yes Yes |
| standards, specifications, approvals | |
| certificate of suitability <ul style="list-style-type: none"> • EAC approval • RoHS conformity • fire protection in accordance with EN 45545-2 | Yes Yes No |
| standard <ul style="list-style-type: none"> • for burning behavior / flame resistance | UL 1685 (Vertical tray), UL 1581 Sec. 1090 (H) |

further information / internet-Links

Internet-Link

- to website: Selector TIA 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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