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|--------------------------|--|
| Product type designation | <b>SIMATIC NET Antenna Connection Cable N-Connect/SMA Male/Male</b>  |
| Product description      | Connecting cable for SIMATIC NET antennas, preassembled SIMATIC NET N-CONNECT/SMA MALE/ MALE FLEXIBLE CONNECTION CABLE PREASSEMBLED, LENGTH 5M, FLEXIBLE CONNECTION CABLE SCALANCE M - ANTENNA |



|                     |   |
|---------------------|---|
| Suitability for use | Flexible connecting cable for connecting an antenna to SCALANCE M |
| Cable length        | 5 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   | 85 pF/m                 |
| Relative speed                   | 85 %                    |

| 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   |

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|--|--|
| Symmetrical tolerance of the outer diameter / of cable sheath  | 0.2 mm   |
| Thickness / of cable sheath  | 3.76 mm  |
| Material <ul style="list-style-type: none"> <li>• of inner conductor</li> <li>• of dielectric</li> <li>• of cable sheath</li> </ul>                            | <p>Cu</p> <p>polyethylene foam</p> <p>FRNC</p> |
| 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> | <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"> <li>• during operation</li> <li>• during storage</li> <li>• during transport</li> <li>• during installation</li> </ul> | <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"> <li>• to mineral oil</li> </ul>  | 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"> <li>• halogen-free</li> <li>• silicon-free</li> </ul> | <p>Yes</p> <p>Yes</p> |
|---|-----------------------|

### Standards, specifications, approvals

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

### Further Information / Internet Links

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

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

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