

Data sheet

6XV1875-5LE30

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 0.3M, FLEXIBLE CONNECTION CABLE SCALANCE M - ANTENNA



Suitability for use

Flexible connecting cable for connecting an antenna to SCALANCE M

Cable length

0.3 m

Electrical data

Number of electrical connections

2

Design of the electrical connection

N-Connect/SMA male/male

Transmission frequency

0 ... 6000 MHz

Damping ratio per length

- at 2.4 GHz / typical
- at 5.2 GHz / typical
- at 5.85 GHz / typical

0.53 dB/m

0.83 dB/m

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

- 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 • of inner conductor • of dielectric • of cable sheath	Cu polyethylene foam FRNC
Color • of cable sheath	pastel turquoise
Bending radius • 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

Permitted ambient conditions

Ambient temperature • during operation • during storage • during transport • during installation	-40 ... +80 °C -40 ... +80 °C -40 ... +80 °C -25 ... +80 °C
Burning behavior	UL 1685 (Vertical tray) and UL 1581, Sec. 1090 (H)
Chemical resistance • to mineral oil	Conditional resistance
Radiological resistance / to UV radiation	resistant
Protection class IP	when plugged in

Product properties, functions, components / general

Product property • halogen-free • silicon-free	Yes Yes
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Standards, specifications, approvals

Certificate of suitability • RoHS conformity	Yes
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Further Information / Internet Links

Internet-Link • 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	http://www.siemens.com/snst http://www.siemens.com/simatic-net https://mall.industry.siemens.com http://www.siemens.com/automation/net/catalog http://automation.siemens.com/bilddb http://www.siemens.com/cax
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- to website: Industry Online Support

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

last modified:

27.02.2015