

Data sheet

6XV1875-5CN10

product type designation

product description

antenna connection cable N-Connect/RSMA plug/plug

Connecting cable for SIMATIC NET antennas, preassembled

N-Connect/ R-SMA male/male flexible connection cable pre-assembled, length 10 m 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

10 m

electrical data

number of electrical connections

2

type of electrical connection

N-Connect/R-SMA male/male

transmission frequency

0 ... 6000 MHz

attenuation factor 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

- 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

0.76 mm

material

- of inner conductor

Cu

- of dielectric

polyethylene foam

- of cable sheath

FRNC

color

- of cable sheath

pastel turquoise

bending radius

- with single bend / minimum permissible

32 mm

- with multiple bends / minimum permissible

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
chemical resistance	-40 ... +80 °C
<ul style="list-style-type: none"> • to mineral oil 	-40 ... +80 °C
radiological resistance / to UV radiation	-25 ... +80 °C
protection class IP	conditional resistance resistant IP68; when plugged in
product features, product functions, product components / general	
product feature	
<ul style="list-style-type: none"> • halogen-free 	Yes
<ul style="list-style-type: none"> • silicon-free 	Yes
standards, specifications, approvals	
certificate of suitability	
<ul style="list-style-type: none"> • EAC approval 	Yes
<ul style="list-style-type: none"> • RoHS conformity 	Yes
<ul style="list-style-type: none"> • fire protection in accordance with EN 45545-2 	No
standard	
<ul style="list-style-type: none"> • for fire behavior / flame resistance 	UL 1685 (Vertical tray), UL 1581 Sec. 1090 (H)
reference code	
<ul style="list-style-type: none"> • according to IEC 81346-2 	WG
<ul style="list-style-type: none"> • according to IEC 81346-2:2019 	WGB
further information / internet-Links	
Internet-Link	
<ul style="list-style-type: none"> • to web page: selection aid TIA Selection Tool • to website: Industrial communication • to website: Industry Mall • to website: Information and Download Center • to website: Selection guide for cables and connectors • to website: Image database • to website: CAX-Download-Manager • to website: Industry Online Support 	http://www.siemens.com/tia-selection-tool http://www.siemens.com/simatic-net https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter https://sie.ag/2QdlxcP http://automation.siemens.com/bilddb http://www.siemens.com/cax https://support.industry.siemens.com
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