

Data sheet

6XV1875-5CH20

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 2 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	2 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 • 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
Ambient conditions	
Ambient temperature • during operation • during storage • during transport • during installation	-40 ... +80 °C -40 ... +80 °C -40 ... +80 °C -25 ... +80 °C
Chemical resistance • 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 • halogen-free • silicon-free	Yes Yes
Standards, specifications, approvals	
Certificate of suitability • RoHS conformity • Fire protection in accordance with EN 45545-2	Yes No
Standard • for burning behavior / flame resistance	UL 1685 (Vertical tray), UL 1581 Sec. 1090 (H)

Further information / Internet-Links

Internet-Link

- to website: Selector SIMATIC NET
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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