

Data sheet

6XV1875-5AH20

Product type designation

Product description

SIMATIC NET Antenna Connection Cable N-Connect Male/ Male

Connecting cable for SIMATIC NET antennas, preassembled
SIMATIC NET N-CONNECT MALE/MALE FLEXIBLE CONNECTION
CABLE PREASSEMBLED; LENGTH 2M FLEXIBLE CONNECTION
CABLE E. G. FOR 2 RCOAX SEGMENTS



Suitability for use	Flexible connecting cable for connecting an antenna or RCoax cable to a SCALANCE M/W
Cable length	2 m

Electrical data

Number of electrical connections	2
Type of electrical connection	N-Connect/N-Connect 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	IP68; 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>

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