

Siemens 6XV1875-5AH20 Manual

Brand	Siemens
Product Series	Siemens
Product Type	designation antenna connection cable N-Connect plug/plug

Description

6XV1875-5AH20

product type designation antenna connection cable N-Connect plug/plug

product description Connecting cable for SIMATIC NET antennas, preassembled N-Connect male/male flexible connection cable pre-assembled; length 2 m flexible cable, for example, for the connection to antennas, suitable for IWLAN and mobile radio.

suitability for use Flexible connecting cable for connecting an antenna or RCoax cable to a SCALANCE M/W

wire 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

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

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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

- during operation -40 ... +80 °C
- during storage -40 ... +80 °C
- during transport -40 ... +80 °C
- during installation -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 Yes
- silicon-free Yes

standards, specifications, approvals

certificate of suitability

- EAC approval Yes
- RoHS conformity Yes
- fire protection in accordance with EN 45546-2 (Not)

standard

- for fire behavior / flame resistance UL 1685 (Vertical tray), UL 1581 Sec. 1090 (H)

reference code

- according to IEC 81346-2 WG
- according to IEC 81346-2:2019 WGB

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