

Data sheet

6XV1875-5LH50

product type designation

product description

antenna connection cable N-Connect/SMA plug/plug

Connecting cable for SIMATIC NET antennas, preassembled

N-Connect/SMA male/ male flexible connection cable pre-assembled, Length 5 m, flexible connecting cable SCALANCE M antenna.



Technical Product Detail Page

<https://i.siemens.com/1P6XV1875-5LH50>

suitability for use

Flexible connecting cable for connecting an antenna to SCALANCE M

wire length

5 m

electrical data

number of electrical connections

2

type of electrical connection

N-Connect/SMA male/male

transmission frequency

0 ... 6000 MHz

attenuation factor per length

0.53 dB/m

- at 2.4 GHz / typical

0.83 dB/m

- at 5.2 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

3.76 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

• 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	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 45545-2	No			
• 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			
further information / internet links				
internet link				
• to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358			
• to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud			
• to web page: SiePortal	https://sieportal.siemens.com/			
• to website: Image database	https://www.automation.siemens.com/bilddb			
• to website: CAx-Download-Manager	https://www.siemens.com/cax			
• to website: Industry Online Support	https://support.industry.siemens.com			
security information				
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Approvals / Certificates				
General Product Approval				
 EG-Konf.			Manufacturer Declaration	China RoHS

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