

product type designation

IWLAN RCoax Cable 5 GHz

IWLAN RCoax cable PE 1/2" 5 GHz short distance -40 °C/+85 °C ext. temperature range. Sold by the meter minimum order quantity 20 m delivery unit: max. 1000 m.



Technical Product Detail Page

<https://l.siemens.com/1P6XV1875-2D>

suitability for operation

For example, suspended monorails, cranes, stacker cranes. Line is water-repellent, resistant to microbes, and extremely resistant to many cleaning agents and disinfectants (such as iodophors, peroxyacetic acids (1% solution), and quaternary ammonium cations). Cleaning with high-pressure cleaner up to 50 kg.

radio frequencies

operating frequency

- for WLAN in 5 GHz frequency band 1

5.15 ... 5.85 GHz

electrical data

impedance

50 Ω

attenuation factor per length

- at 5.15 GHz / with cable mounted 10 mm above concrete / at 20 °C
- at 5.15 GHz / with cable mounted 15 mm above aluminum rail / at 20 °C
- at 5.85 GHz / with cable mounted 10 mm above concrete / at 20 °C
- at 5.85 GHz / with cable mounted 15 mm above aluminum rail / at 20 °C

0.23 dB/m
0.24 dB/m
0.24 dB/m
0.27 dB/m

coupling attenuation

- at 5.15 GHz / at 20 °C
- at 5.85 GHz / at 20 °C
- note

42 dB
40 dB
c(50) for distance of 10 cm between antenna and cable

capacity per length

76 pF/m

DC resistance per length

- of inner conductor / at 20 °C
- of coaxial line conductor / at 20 °C

1.48 Ω/km
2.8 Ω/km

relative speed

88 %

mechanical data

outer diameter

- of inner conductor
- of dielectric
- of cable sheath

4.8 mm
12.4 mm
15.5 mm

thickness / of cable sheath

1.3 mm

material

- of inner conductor
- of dielectric
- of coaxial line conductor
- of cable sheath

Copper clad aluminum
Polyethylene foam
Overlapping copper foil with the slot groups bonded to cable jacket
Halogen-free polyolefine

color / of cable sheath	pastel turquoise
bending radius	
<ul style="list-style-type: none"> with single bend / minimum permissible 	200 mm
number of bending cycles	1
tensile load / maximum	1100 N
weight per length	0.232 kg/m
mounting distance	
<ul style="list-style-type: none"> recommended 	0.5 m
ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> during operation during storage during installation 	-40 ... +85 °C -70 ... +85 °C -25 ... +60 °C
product feature / resistant to UV radiation	Yes
standards, specifications, approvals	
standard	
<ul style="list-style-type: none"> for fire behavior <ul style="list-style-type: none"> corrosive gas emission smoke emission flame resistance 	IEC 60754-2 IEC 60332-1 and IEC 60332-3 Cat. C IEC 61034
certificate of suitability	
<ul style="list-style-type: none"> UL approval 	Yes
wireless approval	Current national approvals can be found on the Internet under www.siemens.com/funkzulassungen
further information / internet links	
internet link	
<ul style="list-style-type: none"> to website: Selection guide for cables and connectors to web page: selection aid TIA Selection Tool to web page: WLAN country approval to website: Industrial communication to web page: SiePortal to website: Image database to website: CAX-Download-Manager to website: Industry Online Support 	https://support.industry.siemens.com/cs/ww/en/view/109766358 https://www.siemens.com/tstcloud https://www.siemens.com/wireless-approvals https://www.siemens.com/simatic-net https://sieportal.siemens.com/ https://www.automation.siemens.com/bilddb https://www.siemens.com/cax https://support.industry.siemens.com
security information	
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