

product type designation

product description

antenna connection cable N-Connect plug/plug

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
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

<ul style="list-style-type: none"> • during operation • during storage • during transport • during installation 	<p>-40 ... +80 °C</p> <p>-40 ... +80 °C</p> <p>-40 ... +80 °C</p> <p>-25 ... +80 °C</p>
<p>chemical resistance</p> <ul style="list-style-type: none"> • to mineral oil <p>radiological resistance / to UV radiation</p> <p>protection class IP</p>	<p>conditional resistance resistant</p> <p>IP68; when plugged in</p>
product features, product functions, product components / general	
<p>product feature</p> <ul style="list-style-type: none"> • halogen-free • silicon-free 	<p>Yes</p> <p>Yes</p>
standards, specifications, approvals	
<p>certificate of suitability</p> <ul style="list-style-type: none"> • EAC approval • RoHS conformity • fire protection in accordance with EN 45545-2 <p>standard</p> <ul style="list-style-type: none"> • for fire behavior / flame resistance <p>reference code</p> <ul style="list-style-type: none"> • according to IEC 81346-2 • according to IEC 81346-2:2019 	<p>Yes</p> <p>Yes</p> <p>No</p> <p>UL 1685 (Vertical tray), UL 1581 Sec. 1090 (H)</p> <p>WG</p> <p>WGB</p>
further information / internet-Links	
<p>Internet-Link</p> <ul style="list-style-type: none"> • to web page: selection aid TIA Selection Tool • to website: Industrial communication • to website: Industry Mall • to website: Information and Download Center • to website: Selection guide for cables and connectors • to website: Image database • to website: CAx-Download-Manager • to website: Industry Online Support 	<p>http://www.siemens.com/tia-selection-tool</p> <p>http://www.siemens.com/simatic-net</p> <p>https://mall.industry.siemens.com</p> <p>http://www.siemens.com/industry/infocenter</p> <p>https://sie.ag/2QdlxcP</p> <p>http://automation.siemens.com/bilddb</p> <p>http://www.siemens.com/cax</p> <p>https://support.industry.siemens.com</p>
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