SIEMENS

Data sheet 6XV1875-5AH50

product type designation

product description

SIMATIC NET Antenna Connection Cable N-Connect Male/ Male

Connecting cable for SIMATIC NET antennas, preassembled

N-Connect male/male flexible connection cable pre-assembled; length 5 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 5 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		
 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 45545-2	No	
standard		
for fire behavior / flame resistance	UL 1685 (Vertical tray), UL 1581 Sec. 1090 (H)	
further information / internet-Links		
Internet-Link		
 to web page: selection aid TIA Selection Tool 	http://www.siemens.com/tia-selection-tool	
 to website: Industrial communication 	http://www.siemens.com/simatic-net	
to website: Industry Mall	https://mall.industry.siemens.com	
to website: Information and Download Center	http://www.siemens.com/industry/infocenter	
to website: Image database	http://automation.siemens.com/bilddb	
to website: CAx-Download-Manager	http://www.siemens.com/cax	
• to website: Industry Online Support	https://support.industry.siemens.com	

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