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Data sheet 6XV1875-5CH10

product type designation	**antenna connection cable N-Connect/RSMA plug/plug**
product description	Connecting cable for SIMATIC NET antennas, preassembled

N-Connect/ R-SMA male/male flexible connection cable pre-assembled, length 1 m flexible connecting cable Access point antenna (RCoax and others).



suitability for use	Flexible connecting cable for connecting an antenna to an access point/client
wire length	1 m
electrical data	
number of electrical connections	2
type of electrical connection	N-Connect/R-SMA 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

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● 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)
reference code	
● according to IEC 81346-2	WG
● according to IEC 81346-2:2019	WGB
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: Selection guide for cables and connectors	https://sie.ag/2QdlxcP
● 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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