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Data sheet 6XV1875-5SH50

product type designation	**antenna connection cable N-Connect plug/plug**
product description	Connecting cable for SIMATIC NET antennas, preassembled
	N-Connect male/male flexible connection cable pre-assembled; Length 5 m, for suitable for railway applications; 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, suitable for railway applications
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	0.47 dB/m
● at 5.2 GHz / typical	0.77 dB/m
● at 5.85 GHz / typical	0.83 dB/m
impedance	
● rated value	50 Ω
capacity per length / at 1 kHz	80.2 pF/m
relative speed	83 %
mechanical data	
outer diameter	
● of inner conductor	1.4 mm
● of dielectric	3.8 mm
● of cable sheath	5.5 mm
symmetrical tolerance of the outer diameter / of cable sheath	0.1 mm
material	
● of inner conductor	Cu, silver plated
● of dielectric	SPEX
● of cable sheath	RADOX
color	
● of cable sheath	Black
bending radius	
● with single bend / minimum permissible	25 mm
● with multiple bends / minimum permissible	90 mm
number of bending cycles	50
weight per length	47.8 kg/km
ambient conditions	
ambient temperature	
● during operation	-30 ... +100 °C
● during storage	-30 ... +100 °C
● during transport	-30 ... +100 °C
protection class IP	IP67; when plugged in

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product features, product functions, product components / general	
product feature	
● halogen-free	Yes
● silicon-free	Yes
standards, specifications, approvals	
certificate of suitability	fire protection according to NF F 16-101
● RoHS conformity	Yes
● fire protection in accordance with EN 45545-2	Yes
standard	
● for fire behavior / smoke emission	EN 61034-2
● for fire behavior / flame resistance	EN 60332-1-2, IEC 60332-3-22, EN 50305,9.1.2
● for fire behavior / toxic gas emission	NF-X 70-100
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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