

Product type designation

SIMATIC NET Antenna Connection Cable N-Connect/SMA

Product description

Male/Male

Connecting cable for SIMATIC NET antennas, preassembled SIMATIC NET CABLE N / R-SMA RAILWAY 5M SIMATIC NET N-CONNECT/ SMA MALE/MALE FLEXIBLE CONNECTION CABLE PREASSEMBLED, WITH RAILWAY CERTIFICAT., LENGTH 5M FLEXIBLE CONNECTION CABLE E.G. FOR ACCESSPOINT - ANTENNA



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/SMA male/male
Transmission frequency	0 ... 6000 MHz
Damping ratio 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

Permitted 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

Product properties, functions, components / general

Product feature	
• halogen-free	Yes
• silicon-free	Yes

Standards, specifications, approvals

Certificate of suitability	fire protection according to DIN 5510-2, NF F 16-101
• RoHS conformity	Yes
• Fire protection in accordance with EN 45545-2	Yes
Standard	
• for behavior in fire: smoke emission	EN 61034-2
• for behavior in fire: flame resistance	EN 60332-1-2, IEC 60332-3-22, EN 50305,9.1.2
• for burning behavior Toxic gas emission	NF-X 70-100

Further Information / Internet Links

Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	http://www.siemens.com/snst
• 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
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://www.siemens.com/industry/infocenter>

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

last modified:

14.03.2016