

R&S®AIRLANCER CABLE NJ-NP

High-performance outdoor coaxial cable for connecting R&S®LANCOM access points and R&S®AirLancer antennas



In outdoor Wi-Fi installations, a longer distance is often required between the access point and the external antenna, for example to allow a free antenna path between the transmitter and receiver. With the R&S®AirLancer Cable NJ-NP coaxial cable, it is possible to bridge a 3, 6, or 9 meter distance between the two devices. With good attenuation values, the outdoor cable supports the signal amplification achieved by an external R&S®AirLancer antenna.

- ▶ High frequency coaxial cable
- ▶ Length 3 m / 6 m / 9 m
- ▶ Double shielded
- ▶ Low attenuation values guarantee low signal loss
- ▶ Suitable for the 2.4 GHz and 5 GHz frequency range
- ▶ N connector with screw lock

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Electrical data		Cable 3 m	Cable 6 m	Cable 9 m
Impedance (Ohms)		50		
Capacity (pF/m)		101		
Signal propagation speed		66% lightspeed		
Signal runtime (ns/m)		5.03		
Operating frequency (GHz)		0.3 – 6		
Damping in the frequency range (GHz)*	Damping (dB/m) 3 m / 6 m / 9 m cable	Total damping (dB)		
2.1	0.70 / 0.43 / 0.43	2.10	2.58	3.87
2.4	0.76 / 0.46 / 0.46	2.28	2.76	4.14
2.7	0.82 / 0.50 / 0.50	2.46	3.00	4.50
5.1	1.23 / 0.78 / 0.78	3.69	4.68	7.02
5.4	1.28 / 0.81 / 0.81	3.84	4.86	7.29
5.4	1.32 / 0.84 / 0.81	3.96	5.04	7.56
* The signal gain achieved by an external antenna is reduced by the cable connection. The longer the cable has to be to connect the access point and antenna, the more the antenna gain decreases. Here, the attenuation values are additionally dependent on the frequency range.				
Mechanical data				
Length (m)		3	6	9
Weigth (Kg/100 m)		5.5	18.5	18.5
Environmental conditions		Operating temperature -25 °C – +85 °C, Installation temperature -20 °C – +60 °C		
Connection		N male to N female, connection to indoor access points possible with adapter NP-RSMAP (adapter included with LANCOM outdoor antennas)		
Material				
Inner conductor		Wire (CuAg)	Strand-7 (CuAg)	Strand-7 (CuAg)
Isolator		PE Polyethylen	PE Polyethylen	PE Polyethylen
Shielding		CuAg	CuAg	CuAg
Outer jacket		PVC	PVC	PVC
Color		Black		
Declarations of conformity				
		Lead-free according to WEEE guidelines		
		RoHS compliant		
Item				
Warranty		2 years		
Scope of delivery		1 coaxial cable 3 m length	1 coaxial cable 6 m length	1 coaxial cable 9 m length
Item numbers		61230	61231	61232

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- 1 Inner conductor
- 2 Isolator
- 3 Shielding inside
- 4 Shielding outside
- 5 Coat



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