

# RAD-ISM Coaxial Antenna Cables

## Data Sheet 2206B

June 2007

All of the accessories needed for installing a wireless system — antennas, adapters, cables, and surge suppression — are available from Phoenix Contact.

Please note that every connection between the radio and the antenna causes signal attenuation. The attenuation of a cable is proportional to the cable length; therefore use only as much cable as is absolutely necessary for the application.

### Technical Data for the RAD-CAB-RG58-...

Connector Type	N(male) at both ends
Cable Type	RG-58U
Temperature Rating	-40°F to 167°F (-40°C to 75°C)
Outer Diameter	0.195 inches (11.43 mm)
Minimum Bending Radius	2 inches (50.8 mm)
Weight	2.5 pounds/100 feet
Insertion Attenuation	Approximately 13.7dB/100 feet
Jacket Material	PVC

Antenna Cable Length	Description	Order No.
10 feet	RAD-CAB-RG58-10	2867364
20 feet	RAD-CAB-RG58-20	2867212



### Technical Data for the RAD-CAB-RG213-...

Connector Type	N(male) at both ends
Cable Type	RG-213U
Temperature Rating	-40°F to 176°F (-40°C to 80°C)
Outer Diameter	0.405inches (10.29 mm)
Minimum Bending Radius	5 inches (127 mm)
Weight	10.4 pounds/100 feet
Insertion Attenuation	Approximately 7.6dB/100 feet
Jacket Material	Polyethylene

Antenna Cable Length	Description	Order No.
25 feet	RAD-CAB-RG213-25	2867597
40 feet	RAD-CAB-RG213-40	2867377
50 feet	RAD-CAB-RG213-50	2867225

### Technical Data for the RAD-CAB-LMR240-...

Connector Type	N(male) at both ends
Cable Type	LMR-240
Temperature Rating	-40°F to 185°F (-40°C to 85°C)
Outer Diameter	0.24 inches (0.69 mm)
Minimum Bending Radius	0.75 inches (19.05 mm)
Weight	3.4 pounds/100 feet
Insertion Attenuation	Approximately 7.6dB/100 feet
Jacket Material	Polyethylene

Antenna Cable Length	Description	Order No.
10 feet	RAD-CAB-LMR240-10	5606124

**Technical Data for the RAD-CAB-LMR400-...**

Connector Type	N(male) at both ends
Cable Type	LMR-400
Temperature Rating	-40°F to 185°F (-40°C to 85°C)
Outer Diameter	0.405 inches (10.29 mm)
Minimum Bending Radius	1 inch (25.4 mm)
Weight	6.8 pounds/100 feet
Insertion Attenuation	Approximately 3.9dB/100 feet
Jacket Material	Polyethylene

Antenna Cable Length	Description	Order No.
20 feet	RAD-CAB-LMR400-20	5606125
60 feet	RAD-CAB-LMR400-60	2867380
80 feet	RAD-CAB-LMR400-80	2867393
100 feet	RAD-CAB-LMR400-100	2867238

**Technical Data for the RAD-CAB-LMR500-...**

Connector Type	N(male) at both ends
Cable Type	LMR-500
Temperature Rating	-40°F to 185°F (-40°C to 85°C)
Outer Diameter	0.50 inches (12.7 mm)
Minimum Bending Radius	1.25 inches (31.75 mm)
Weight	9.7 pounds/100 feet
Insertion Attenuation	Approximately 3.13dB/100 feet
Jacket Material	Polyethylene

Antenna Cable Length	Description	Order No.
25 feet	RAD-CAB-LMR500-25	5606126

**Technical Data for the RAD-CAB-LMR600-...**

Connector Type	N(male) at both ends
Cable Type	LMR-600
Temperature Rating	-40°F to 185°F (-40°C to 85°C)
Outer Diameter	0.59 inches (14.99 mm)
Minimum Bending Radius	1.5 inches (38.1 mm)
Weight	13.1 pounds/100 feet
Insertion Attenuation	Approximately 2.5dB/100 feet
Jacket Material	Polyethylene

Antenna Cable Length	Description	Order No.
125 feet	RAD-CAB-LMR600-125	2885171
150 feet	RAD-CAB-LMR600-150	2885184

**Technical Data for the RAD-CAB-LMR900-...**

Connector Type	N(male) at both ends
Cable Type	LMR-900
Temperature Rating	-40°F to 185°F (-40°C to 85°C)
Outer Diameter	0.87 inches (22.1 mm)
Minimum Bending Radius	3 inches (76.2 mm)
Weight	26.6 pounds/100 feet
Insertion Attenuation	Approximately 1.7dB/100 feet
Jacket Material	Polyethylene

Antenna Cable Length	Description	Order No.
200 feet	RAD-CAB-LMR900-200	2885197

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## Данный компонент на территории Российской Федерации

### Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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