

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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