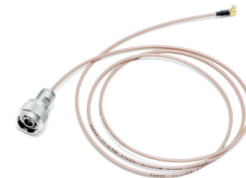


RAD-CON-...

Radio Connector Adapters



INTERFACE

Data Sheet

2418_int_A

© PHOENIX CONTACT - 08/2007

Description

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 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.

Ordering Data

Products

Description	Type	Order No.	Pcs./Pkg
Adapter cable, 120 cm	RAD-CON-MCX90-N-SS	2885207	1
Adapter cable, 120 cm	RAD-CON-MCX-N-SB	2867717	1
Adapter cable, 120 cm	RAD-CON-MCX-N-SS	2867254	1
Adapter cable, 120 cm	RAD-CON-SMA-N-SS	2867403	1
Adapter	RAD-CON-RPSMA-N-SS	5606141	1
Adapter	RAD-CON-RPSMA-N-SB	5606145	1
Adapter cable, 25 cm	RAD-CON-MCX-MCX-SS	2867607	1



Make sure to always use the latest documentation.
It can be downloaded at www.download.phoenixcontact.com.

RAD-CON-MCX90-N-SS

Technical Data	
Length	1.2 m (4 ft.)
MCX(M) connector	
Body style	Right-angle cable connection
N(F) connector	
Body style	Straight cable connection
Cable	
Type	RG-316 coaxial
Outer diameter	24.9 mm (0.98 in.)
Minimum bending radius	25 mm (1 in.)
Impedance	50 ohms
Maximum pulling tension	222 N (21 lb.)
Temperature rating	-70 to 200° C (-94 to 392° F)
Jacket material	FEP Teflon®
Weight	14.9 kg per 1000 m (10.0 lb. per 1000 ft.)
Attenuation	89.5 dB per 100 m (27.3 dB per 100 ft.)

RAD-CON-MCX-N-SS

Technical Data	
Length	1.2 m (4 ft.)
MCX(M) connector	
Body style	Straight cable connection
N (M) connector	
Body style	Straight cable connection
Cable	
Type	RG-316 coaxial
Outer diameter	24.9 mm (0.098 in.)
Minimum bending radius	25 mm (1 in.)
Impedance	50 ohms
Maximum pulling tension	222 N (21 lb.)
Temperature rating	-70 to 200° C (-94 to 392° F)
Jacket material	FEP Teflon®
Weight	14.9 kg per 1000 m (10.0 lb. per 1000 ft.)
Attenuation	89.5 dB per 100 m (27.3 dB per 100 ft.)

RAD-CON-MCX-N-SB

Technical Data	
Length	1.2 m (4 ft.)
MCX(M) connector	
Body style	Straight cable connection
N (F) connector	
Body style	Straight cable connection
Cable	
Type	RG-316 coaxial
Outer diameter	24.9 mm (0.098 in.)
Minimum bending radius	25 mm (1 in.)
Impedance	50 ohms
Maximum pulling tension	222 N (21 lb.)
Temperature rating	-70 to 200° C (-94 to 392° F)
Jacket material	FEP Teflon®
Weight	14.9 kg per 1000 m (10.0 lb. per 1000 ft.)
Attenuation	89.5 dB per 100 m (27.3 dB per 100 ft.)

RAD-CON-MCX-MCX-SS

Technical Data	
Length	0.3 m (1 ft.)
MCX(M) connector	
Body style	Right-angle cable connection
MCX (M) connector	
Body style	Right-angle cable connection
Cable	
Type	RG-174 coaxial
Outer diameter	2.79 mm (0.110 in.)
Minimum bending radius	25 mm (1 in.)
Impedance	50 ohms
Maximum pulling tension	222 N (21 lb.)
Temperature rating	-40 to 75° C (-40 to 167° F)
Jacket material	PVC
Weight	12.4 kg per 1000 m (8.4 lb. per 1000 ft.)
Attenuation	92.5 dB per 100 m (28.2 dB per 100 ft.)

RAD-CON-SMA-N-SS

Technical Data	
Length	1.2 m (4 ft.)
SMA (M) connector	
Body style	Straight cable connection
N (M) connector	
Body style	Straight cable connection
Cable	
Type	RG-316 coaxial
Outer diameter	24.9 mm (0.098 in.)
Minimum bending radius	25 mm (1 in.)
Impedance	50 ohms
Maximum pulling tension	222 N (21 lb.)
Temperature rating	-70 to 200° C (-94 to 392° F)
Jacket material	FEP Teflon®
Weight	14.9 kg per 1000 m (10.0 lb. per 1000 ft.)
Attenuation	89.5 dB per 100 m (27.3 dB per 100 ft.)

RAD-CON-RPSMA-N-SB

Technical Data	
Length	36.8 mm (1.45 in.)
Outer diameter	17.3 mm (0.68 in.)
Impedance	50 ohms
Attenuation	<0.5 dB
RPSMA (M) connector	
Body style	Straight cable connection
N (F) connector	
Body style	Straight cable connection

RAD-CON-RPSMA-N-SS

Technical Data	
Length	36.8 mm (1.45 in.)
Outer diameter	17.3 mm (0.68 in.)
Impedance	50 ohms
Attenuation	<0.5 dB
RPSMA (M) connector	
Body style	Straight cable connection
N (M) connector	
Body style	Straight cable connection