

Product Datasheet

Product ID: F047-221S0-201S0-40-N



RFecho
A Gateway to RF World

BNC Male to 7/16 DIN Male Cable LMR-240 Coax and RoHS F047-221S0-201S0-40-N

RF cable assembly LMR-240 coax is one of a huge selection of coaxial cables for radio, antenna and interconnect with RF components. RFecho's RF coaxial cable assembly products are designed for typical use, production, laboratory test and measurement, defense / military and aerial antenna towers.



RFecho products having the frequency of 5.8 GHz, 83% of propagation rate and high voltage of 1500 DC.

Features

Operate frequency 5.8 GHz

Propagation rate of 83%

100% RF and Continuity tested

Applications

Production

laboratory test

Defense

Aerial antenna towers

Electrical Specifications

Frequency Range	5.8 GHz
Characteristic impedance	50 (Ohms)
Propagation rate	83%
Shielding efficiency	>90 (dB)
Voltage	1500 (V, DC)

Connectors

Description	Connector 1	Connector 2
Type	BNC Male	7/16 DIN Male
Polarity	Standard	Standard
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Brass, Gold	Brass, Silver
Dielectric Type	PTFE	PTFE
Body Material & Plating	Brass, Tri-Metal	Brass, Tri-Metal

Configuration

BNC Male

7/16 DIN Male

LMR-240

Cable

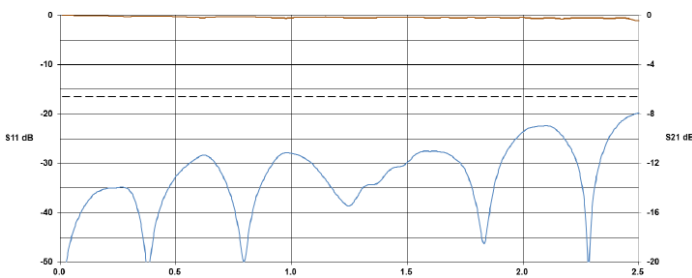
Description	Cable
Cable Type	LMR-240
Armor Type	None
Central conductor	Copper
Central conductor Diameter	1.42 mm
Dielectric Type	EPE (Foamed Polyethylene)
Dielectric Diameter	3.81 mm
External conductor Type	Double-sided Aluminium foil
External conductor Diameter	3.94 mm
Braided layer Typr	Tin-plated copper wire
Braided layer Diameter	4.52 mm
Jacket Type	PE (polyethylene)
Jacket Diameter	6.00 mm
Bending radius, static	20.00 mm
Bending radius, dynamic	65.00 mm
Weight (Kg/M)	0.05
Temperature Range, Installation and Use	-40 to +85 C

Performance by Frequency

Description

Frequency	dB/100m	Average power kW
30 MHz	4.44	1.490
50 MHz	5.74	1.150
150 MHz	10.01	0.660
220 MHz	12.16	0.540
450 MHz	17.54	0.380
900 MHz	25.09	0.260
1500 MHz	32.76	0.200
1800 MHz	36.05	0.180
2000 MHz	38.11	0.170
2500 MHz	42.9	0.150
5800 MHz	67.5	0.100

Typical Performance Data



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Coax and RoHS

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Product Dimensions