



SMA MALE RIGHT ANGLE TO SMA MALE RIGHT ANGLE CABLE ASSEMBLY

Description	:	SMA Male Right Angle to SMA Male Right Angle Cable Assembly
Part No.	:	SCAL200XXSMRSMR (XX = Length of the cable)
Connector A	:	SMA Male Right Angle for LMR 200 Crimp Type
Connector B	:	SMA Male Right Angle for LMR 200 Crimp Type
Cable Type	:	LMR 200
Impedance	:	50 Ohms
Table 1	:	Standard coax cable connector series and typical specifications.

Series	Frequency Ghz	Power Watts	Typ. Diameter Inches	Relative Cost
SMA M R/A	0-18	100	0.4	Moderate

LMR 200 Cable Technical Information

Mechanical Specification

Minimum Bend Radius	:	12.7 mm
Bending Moment	:	0.27 N-m
Weight	:	0.03 Kg/m
Tensile Strength	:	18.2 Kg
Flat plate Crush	:	0.27 Kg/mm



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CONSTRUCTION SPECIFICATION

Designation	Material	Inches	mm
Inner Conductor	Solid BC	0.044	1.12
Dielectric	Foam Polyethylene	0.116	2.95
Outer Conductor	Aluminium Tape	0.121	3.07
Overall Braid	Tinned Copper	0.144	3.66
Standard Jacket	Black Polyethylene	0.195	4.95

ENVIRONMENTAL SPECIFICATIONS

Designation	°F	°C
Installation Temperature Range	-40/+185	-40/+85
Storage Temperature Range	-94/+185	-70/+85
Operating Temperature Range	-40/+185	-40/+85

ELECTRICAL SPECIFICATIONS:

Cutoff Frequency	:	39 GHz
Velocity of Propagation	:	83%
Voltage Withstand	:	1000 VDC
Peak Power	:	2.5 KW
DC Resistance		
Inner Conductor, Ohms	:	5.36/1000' 17.59 /Km
Outer Conductor, Ohms	:	4.9/1000' 16.08/Km
Jacket Spark	:	3000 VRMS
Capacitance	:	24.5pF/ft 80.4pF/m
Inductance	:	0.061 uH/ft 0.20uH/m
Shielding Effectiveness	:	>90 dB

All specifications in this document are subject to change without further notice for incorporating improvements or design upgradation.