CRYSTEK MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

18 GHZ LOW LOSS RF COAX CABLE ASSEMBLIES WITH STAINLESS STEEL CONNECTORS

LL335 50 Ohm 18 GHz Low Loss Coaxial Cables

RoHS Compliant



Features:

Strain Relief:	Heavy duty adhesive strain relief with Neoprene jacket
Center Conductor:	Solid silver-plated copper
Inner Braid:	Flat silver-plated copper strip
Outer Braid:	Round silver-plated copper braid
Dielectric:	Expanded PTFE (Polytetrafluoroethylene) tape
Jacket:	FEP (Fluorinated ethylene propylene)
Cable Outer Diameter:	0.293" (7.44mm)
Connectors:	SST, corrosion-resistant 303 stainless steel per ASTM-A582 (Passivated finish per SAE-AMS-2700)
Center Pin:	GPBC (Gold-Plated Beryllium Copper)
Jacket Color:	Grey
Operating Temperature:	-45°C to +85°C
Minimum Bend Radius:	1.5"

Electrical Specifications:

Impedance:	50 Ohms
Frequency:	Up to 18 GHz
Insertion Loss:	<0.22 dB/ft at 18GHz
VSWR:	1:1.3 Typical 1:1.4 Max
Nominal Capacitance:	24 pF/ft
Velocity of Propagation:	85%
Shield Effectiveness:	Greater than 100 dB
Attenuation (dB/ft):	0.03 Typical @ 500 MHz
*connector loss not included	0.045 Typical @ 1 GHz 0.08 Typical @ 3 GHz 0.11 Typical @ 6 GHz 0.16 Typical @ 12 GHz 0.20 Typical @ 18 GHz
Avg Power in (Kwatts):	7.90 @ 500 MHz
*Rating of Actual Cable only	5.47 @ 1 GHz
*specified at 25°C/Sea Level	3.00 @ 3 GHz 2.02 @ 6 GHz 1.33 @ 12 GHz 1.04 @ 18 GHz

Custom Lengths Available

Available Connector Terminations:
SMA Male
Type N Male
Type N Bulkhead Female
Type N Male Right Angle
TNC Male



Connector Corrosion (salt spray):
MIL-STD-202, method 101, test cond. B 5% salt solution.
Connector Durability:
500 connections Minimum

Part Number	Description	Length
CCSMA-MM-LL335-36	LL335 Low Loss Coax Cable, SMA Male/Male, Straight/Straight	36"
CCSMA-MM-LL335-48	LL335 Low Loss Coax Cable, SMA Male/Male, Straight/Straight	48"
CCSMA-MM-LL335-60	LL335 Low Loss Coax Cable, SMA Male/Male, Straight/Straight	60"
CCN-MM-LL335-36	LL335 Low Loss Coax Cable, N-Type Male/Male, Straight/Straight	36"
CCN-MM-LL335-48	LL335 Low Loss Coax Cable, N-Type Male/Male, Straight/Straight	48"
CCN-MM-LL335-60	LL335 Low Loss Coax Cable, N-Type Male/Male, Straight/Straight	60"

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