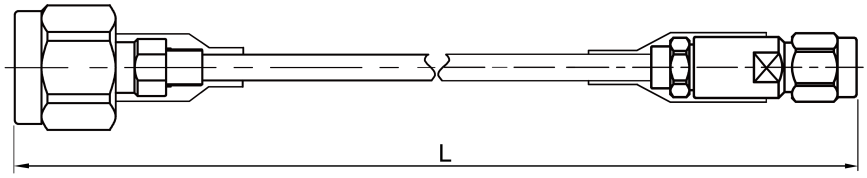


Ultra-Low Loss Phase Stable Cable Assembly, RCA360-NMSM-L
N Male to SMA Male, DC-18GHz, ø3.6mm

01

Dimensions(mm) Tolerance±1%



02

Electrical & Environmental

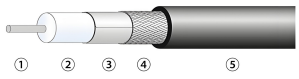
Frequency Range	DC-18GHz, 50 Ohms
Avg Power@25℃	80.5W @18GHz
I L@1M	2.17 dB Max @18GHz
VSWR	1.25 Max
Dk	1.49
Capacitance	80 pF/m
Inductance	0.19 uH/m
VOP	83%
SE	90dB Min
Voltage	1000V@DC
Temp. Phase	750 PPM Max
OT	-40~+125℃

03

Product Information

Product Number	RCA360-NMSM-L
Product Type	Ultra-Low Loss Phase Stable Cable Assembly
Cable	RCA360
Connector	N Male to SMA Male
Connector Body	Passivated stainless steel
Center Contact	Gold plated brass
Bend Radius	18.00mm
Bend Radius (Rep.)	36.00mm

RCA360 Structure Characteristics



Structure	Material	ΦD(mm)
1.Center Conductor	Single-core Silver-plated Copper	0.91
2.Dielectric	LD-PTFE	2.50
3.Inner shield	Silver-plated Copper Tape Wrapping	2.66
4.Outer Shield	Silver-plated Copper Wire Braiding	3.11
5.Jacket	Gray FEP	3.60

Product Selection and Loss Index @25°C

RFTOP P/N	3GHz	10GHz	18GHz
RCA360-NMSM-600	0.89 dB	1.25 dB	1.50 dB
RCA360-NMSM-1M	1.16 dB	1.76 dB	2.17 dB
RCA360-NMSM-1.5M	1.48 dB	2.38 dB	3.00 dB
RCA360-NMSM-2M	1.81 dB	3.01 dB	3.83 dB



Ultra-Low Loss Phase Stable Cable Assembly, RCA360-NMSM-L
N Male to SMA Male, DC-18GHz, ø3.6mm

04 Typical Test Data

RCA360-NMSM-1M

