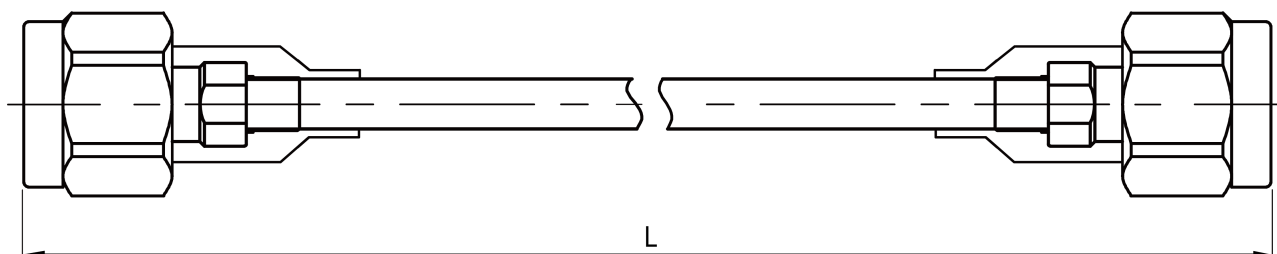




Ultra-Low Loss Phase Stable Cable Assembly, RCA800-NMNM-L

N Male to N Male, DC-18GHz, $\varnothing 7.8\text{mm}$

Dimensions(mm) Tolerance $\pm 1\%$



Electrical & Environmental

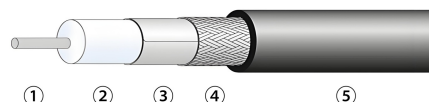
Frequency Range	DC-18GHz, 50 Ohms
Avg Power@25°C	398W @18GHz, 716W @6GHz
Insertion Loss@1M	1.17 dB Max @18GHz
VSWR	1.25 Max
Dielectric Constant	1.45
Capacitance	80 pF/m
Inductance	0.17 uH/m
Velocity of Propagation	83%
Shielding Effectiveness	90dB Min
Withstand Voltage	2500V@DC
Temperature Phase	750 PPM Max
OT	-55~+165°C

Product Information

Product Number	RCA800-NMNM-L
Product Type	Ultra-Low Loss Phase Stable Cable Assembly
Cable	RCA800
Connector	N Male to N Male
Connector Body	Passivated stainless steel
Center Contact	Gold plated beryllium copper
Bend Radius	39.00mm
Bend Radius (Repeated)	78.00mm

Customized services: including connectors, length, phase matching/tracking, time delay, and better electrical performance.

RCA800 Structure Characteristics



Structure	Material	$\Phi D(\text{mm})$
1.Center Conductor	Single-core Silver-plated Copper	2.30
2.Dielectric	LD-PTFE	6.30
3.Inner shield	Silver-plated Copper Tape Wrapping	6.60
4.Outer Shield	Silver-plated Copper Wire Braiding	7.15
5.Jacket	Gray FEP	7.80

RCA800 Replacement Model

Micro-Coax	UFB311A
IW	2801
ZDecl	ZLB780

Product Selection and Loss Index @25°C

RFTOP P/N	3GHz	10GHz	18GHz
RCA800-NMNM-700	0.68 dB	0.85 dB	0.97 dB
RCA800-NMNM-1M	0.76 dB	1 dB	1.17 dB
RCA800-NMNM-1.5M	0.89 dB	1.25 dB	1.5 dB
RCA800-NMNM-2M	1.02 dB	1.5 dB	1.84 dB
RCA800-NMNM-3M	1.28 dB	2 dB	2.51 dB
RCA800-NMNM-7.5M	2.45 dB	4.26 dB	5.52 dB