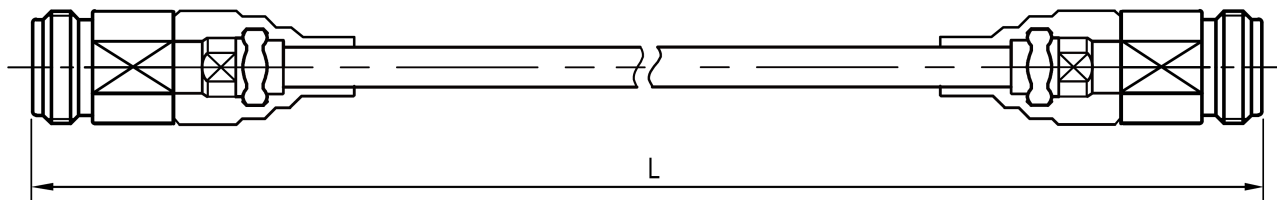


Ultra-Low Loss Phase Stable Cable Assembly, RCA400-NFNF-L N Female to N Female, DC-18GHz, ø4mm

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



Electrical & Environmental

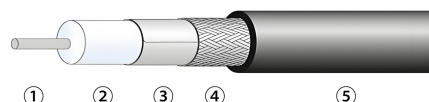
Frequency Range	DC-18GHz, 50 Ohms
Avg Power@25°C	146W @18GHz, 255W @6GHz
Insertion Loss@1M	1.93 dB Max @18GHz
VSWR	1.2 Max
Dielectric Constant	1.49
Capacitance	80 pF/m
Inductance	0.19 uH/m
Velocity of Propagation	83%
Shielding Effectiveness	90dB Min
Withstand Voltage	1000V@DC
Temperature Phase	750 PPM Max
OT	-55~+165°C

Product Information

Product Number	RCA400-NFNF-L
Product Type	Ultra-Low Loss Phase Stable Cable Assembly
Cable	RCA400
Connector	N Female to N Female
Connector Body	Passivated stainless steel
Center Contact	Gold plated beryllium copper
Bend Radius	20.00mm
Bend Radius (Repeated)	40.00mm

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

RCA400 Structure Characteristics



Structure	Material	ΦD(mm)
1.Center Conductor	Single-core Silver-plated Copper	1.05
2.Dielectric	LD-PTFE	2.90
3.Inner shield	Silver-plated Copper Tape Wrapping	3.10
4.Outer Shield	Silver-plated Copper Wire Braiding	3.50
5.Jacket	Gray FEP	4.00

RCA400 Replacement Model

Micro-Coax	UFB142A
ZDecl	ZLB400

Product Selection and Loss Index @25°C

RFTOP P/N	3GHz	10GHz	18GHz
RCA400-NFNF-600	0.85 dB	1.15 dB	1.36 dB
RCA400-NFNF-1M	1.08 dB	1.59 dB	1.93 dB
RCA400-NFNF-1.5M	1.37 dB	2.13 dB	2.65 dB
RCA400-NFNF-2M	1.65 dB	2.68 dB	3.36 dB