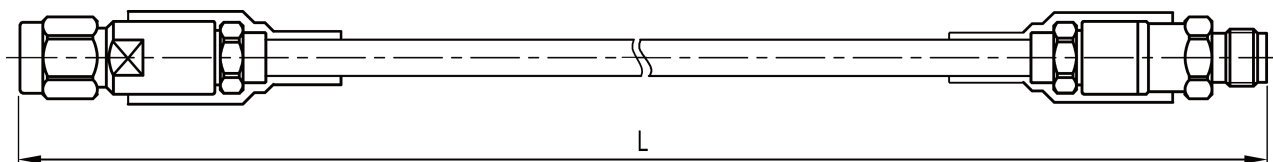


Ultra-Low Loss Phase Stable Cable Assembly, RCA400-SMSF-L SMA Male to SMA Female, DC-26.5GHz, ø4mm

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



Electrical & Environmental

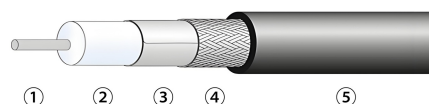
Frequency Range	DC-26.5GHz, 50 Ohms
Avg Power@25°C	120W @26.5GHz, 255W @6GHz
Insertion Loss@1M	2.35 dB Max @26.5GHz
VSWR	1.25 Max
Dielectric Constant	1.49
Capacitance	80 pF/m
Inductance	0.19 uH/m
Velocity of Propagation	83%
Shielding Effectiveness	90dB Min
Withstand Voltage	1000V@DC
Temperature Phase	750 PPM Max
OT	-55~+165°C

Product Information

Product Number	RCA400-SMSF-L
Product Type	Ultra-Low Loss Phase Stable Cable Assembly
Cable	RCA400
Connector	SMA Male to SMA 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	15GHz	26.5GHz
RCA400-SMSF-300	0.77 dB	0.99 dB	1.12 dB
RCA400-SMSF-600	0.95 dB	1.38 dB	1.65 dB
RCA400-SMSF-1M	1.18 dB	1.89 dB	2.35 dB
RCA400-SMSF-1.5M	1.47 dB	2.54 dB	3.22 dB
RCA400-SMSF-2M	1.75 dB	3.19 dB	4.09 dB