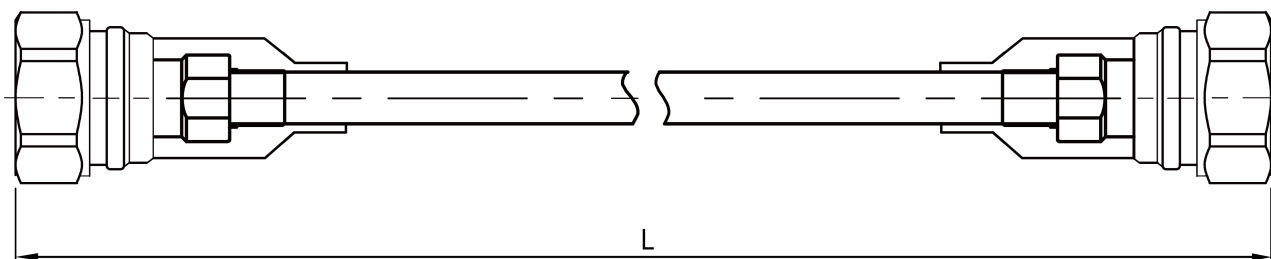




Ultra-Low Loss Phase Stable Cable Assembly, RCA800-DMDM-L L29 Male to L29 Male, DC-7.5GHz, $\varnothing 7.8\text{mm}$

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



Electrical & Environmental

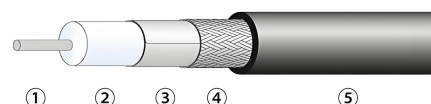
Frequency Range	DC-7.5GHz, 50 Ohms
Avg Power@25°C	637W @7.5GHz, 716W @6GHz
Insertion Loss@1M	0.82 dB Max @7.5GHz
VSWR	1.2 Max
Dielectric Constant	1.45
Capacitance	80 pF/m
Inductance	0.17 $\mu\text{H}/\text{m}$
Velocity of Propagation	83%
Shielding Effectiveness	90dB Min
Withstand Voltage	2500V@DC
Temperature Phase	750 PPM Max
OT	-55~+165°C

Product Information

Product Number	RCA800-DMDM-L
Product Type	Ultra-Low Loss Phase Stable Cable Assembly
Cable	RCA800
Connector	L29 Male to L29 Male
Connector Body	Ternary alloy plated brass
Center Contact	Gold plated brass
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	$\Phi\text{D}(\text{mm})$
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	5GHz	7.5GHz
RCA800-DMDM-1.5M	0.79 dB	0.92 dB	1.03 dB
RCA800-DMDM-2M	0.92 dB	1.09 dB	1.24 dB
RCA800-DMDM-7M	2.22 dB	2.83 dB	3.33 dB