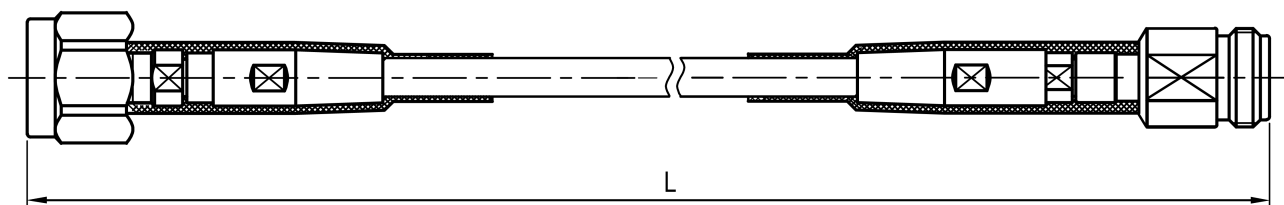


High-Performance Test Coaxial Cable Assembly, RCT500-NMNF-L N Male to N Female, DC-18GHz, $\phi 4.6\text{mm}$

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



Electrical & Environmental

Frequency Range	DC-18GHz, 50 Ohms
Avg Power@25°C	123W @18GHz, 220W @6GHz
Insertion Loss@1M	1.88 dB Max @18GHz
VSWR	1.25 Max
Velocity of Propagation	76%
Shielding Effectiveness	90dB Min
Attenuation stability	$\pm 0.03\text{dB}$ Max
Mechanical Phase	$\pm 2.7^\circ$
OT	-40~+125°C

Product Information

Product Number	RCT500-NMNF-L
Product Type	High-Performance Test Coaxial Cable Assembly
Cable	RCT500
Connector	N Male to N Female
Connector Body	Passivated stainless steel
Center Contact	Gold plated beryllium copper
Bend Radius	25.00mm
Bend Radius (Repeated)	50.00mm

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

RCT500 Structure Characteristics



Structure	Material	$\Phi D(\text{mm})$
1.Center Conductor	Single-core Silver-plated Copper	1.02
2.Dielectric	LD-PTFE	3.07
3.Inner shield	Silver-plated Copper Tape Braiding	3.27
4.Interlayer	LD-PTFE	3.57
5.Outer Shield	Silver-plated Copper Wire Braiding	3.97
6.Jacket	Yellow FEP	4.60

Product Selection and Loss Index @25°C

RFTOP P/N	3GHz	10GHz	18GHz
RCT500-NMNF-1M	0.96 dB	1.50 dB	1.88 dB
RCT500-NMNF-1.5M	1.25 dB	2.05 dB	2.62 dB
RCT500-NMNF-2M	1.53 dB	2.60 dB	3.35 dB