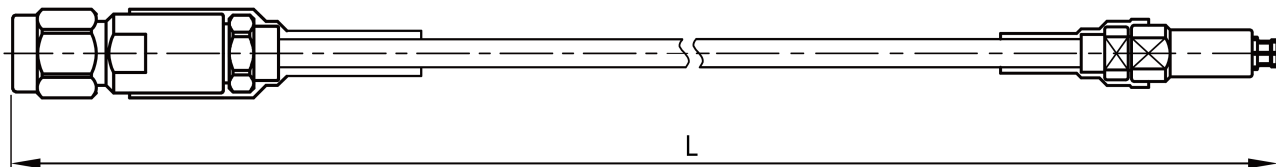


Ultra-Low Loss Phase Stable Cable Assembly, RCA220-QMSPF-L 3.5mm Male to SSMP Female, DC-26.5GHz, ø2.2mm

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



Electrical & Environmental

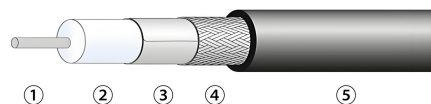
Frequency Range	DC-26.5GHz, 50 Ohms
Avg Power@25°C	17W @26.5GHz, 38W @6GHz
Insertion Loss@1M	4.04 dB Max @26.5GHz
VSWR	1.4 Max
Dielectric Constant	1.49
Capacitance	80 pF/m
Inductance	0.21 uH/m
Velocity of Propagation	81%
Shielding Effectiveness	90dB Min
Withstand Voltage	500V@DC
Temperature Phase	750 PPM Max
OT	-55~+165°C

Product Information

Product Number	RCA220-QMSPF-L
Product Type	Ultra-Low Loss Phase Stable Cable Assembly
Cable	RCA220
Connector	3.5mm Male to SSMP Female
Connector Body	Passivated stainless steel & BeCu
Center Contact	Gold plated beryllium copper
Bend Radius	8.80mm
Bend Radius (Repeated)	22.00mm

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

RCA220 Structure Characteristics



Structure	Material	ΦD(mm)
1.Center Conductor	Single-core Silver-plated Copper	0.51
2.Dielectric	LD-PTFE	1.38
3.Inner shield	Silver-plated Copper Tape Wrapping	1.58
4.Outer Shield	Silver-plated Copper Wire Braiding	1.90
5.Jacket	Gray FEP	2.20

RCA220 Replacement Model

Gore	CXN3506
ZDecl	ZLB220
润瀚	HA220

Product Selection and Loss Index @25°C

RFTOP P/N	3GHz	15GHz	26.5GHz
RCA220-QMSPF-600	1.17 dB	2.05 dB	2.62 dB
RCA220-QMSPF-1M	1.62 dB	3.08 dB	4.04 dB