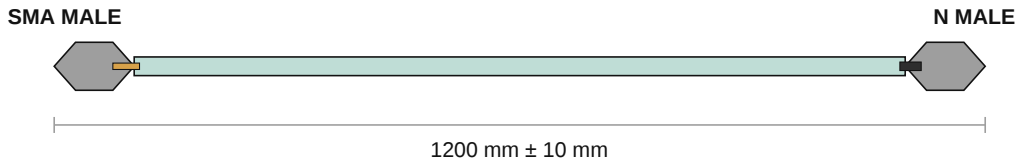


KL-300A-SMAM-NM-1200

SMA Male to N Male, 1200 mm — RF Cable Assembly

**Assembly Configuration**

Base Cable	Connector A	Connector B	Length
KL-300A	SMA Male	N Male	1200 mm ± 10 mm

Cable Construction

Element	Dimension (mm)	Material
Center Conductor	0.70	Silver-Plated Copper
Dielectric	1.93	Low-Density PTFE
Inner Shield	2.09	Silver-Plated Copper Tape
Outer Shield	2.74	Silver-Plated Copper Braid
Outer Jacket	3.10	Gray PFA (Custom Colors Available)

Electrical Performance (Assembly)

Parameter	Value
Frequency Range	DC – 18 GHz (N-connector-limited)
Characteristic Impedance	50 Ω
VSWR (Assembly, Typical)	≤ 1.20 : 1
Insertion Loss @ 1 GHz	≤ 0.60 dB (cable + connectors, typical)
Insertion Loss @ 8 GHz	≤ 1.68 dB (cable + connectors, typical)
Insertion Loss @ 18 GHz	≤ 2.55 dB (cable + connectors, typical)
Shielding Effectiveness	> 90 dB
Connector Mating Cycles	500 typical per interface
Recommended Mating Torque	SMA end: 0.9–1.1 N·m; N end: 1.7 N·m

Mechanical & Environmental

Static Bend Radius	Dynamic Bend Radius	Assembly Weight	Operating Temperature
16 mm	31 mm	0.032 kg (1200 mm assembly)	–55°C ~ +165°C

Ordering & Part Number Key

KL-300A-SMAM-NM-1200 — Format: KL-[Cable Series]-[Connector A][Gender]-[Connector B][Gender]-[Length mm]. Gender: M = Male, F = Female (required on both ends). Connector options are limited by cable diameter — contact us to confirm compatibility, or for lengths and connectors not listed here.