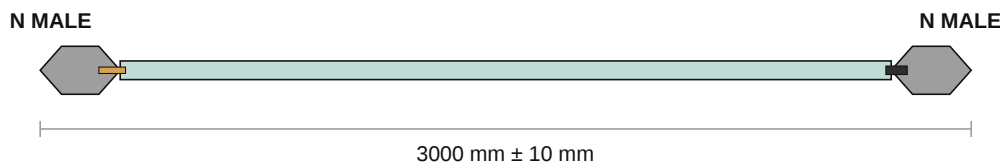


KL-400A-NM-NM-3000

N Male to N Male, 3000 mm — RF Cable Assembly

**Assembly Configuration**

Base Cable	Connector A	Connector B	Length
KL-400A	N Male	N Male	3000 mm ± 10 mm

Cable Construction

Element	Dimension (mm)	Material
Center Conductor	1.05	Silver-Plated Copper
Dielectric	2.85	Low-Density PTFE
Inner Shield	3.05	Silver-Plated Copper Tape
Outer Shield	3.40	Silver-Plated Copper Braid
Outer Jacket	4.00	Green FEP (Custom Colors Available)

Electrical Performance (Assembly)

Parameter	Value
Frequency Range	DC – 18 GHz (connector-limited)
Characteristic Impedance	50 Ω
VSWR (Assembly, Typical)	≤ 1.15 : 1
Insertion Loss @ 1 GHz	≤ 1.10 dB (cable + connectors, typical)
Insertion Loss @ 8 GHz	≤ 2.95 dB (cable + connectors, typical)
Insertion Loss @ 18 GHz	≤ 4.45 dB (cable + connectors, typical)
Shielding Effectiveness	> 90 dB
Connector Mating Cycles	500 typical (N-Type interface)
Recommended Mating Torque	1.7 N·m (15 in-lb)

Mechanical & Environmental

Static Bend Radius	Dynamic Bend Radius	Assembly Weight	Operating Temperature
20 mm	40 mm	0.108 kg (3000 mm assembly)	–55°C ~ +165°C

Ordering & Part Number Key

KL-400A-NM-NM-3000 — 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.