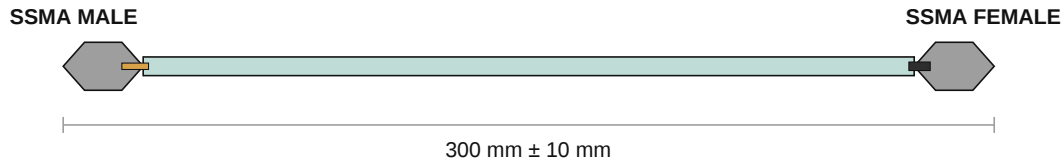


KL-150A-SSMAM-SSMAF-300

SSMA Male to SSMA Female, 300 mm — RF Cable Assembly

**Assembly Configuration**

Base Cable	Connector A	Connector B	Length
KL-150A	SSMA Male	SSMA Female	300 mm ± 10 mm

Cable Construction

Element	Dimension (mm)	Material
Center Conductor	0.30	Silver-Plated Copper
Dielectric	0.88	Low-Density PTFE
Inner Shield	1.00	Silver-Plated Copper Tape
Outer Shield	1.18	Silver-Plated Copper Braid
Outer Jacket	1.50	Gray PFA (Custom Colors Available)

Electrical Performance (Assembly)

Parameter	Value
Frequency Range	DC – 26.5 GHz (connector-limited)
Characteristic Impedance	50 Ω
VSWR (Assembly, Typical)	≤ 1.20 : 1
Insertion Loss @ 1 GHz	≤ 0.40 dB (cable + connectors, typical)
Insertion Loss @ 8 GHz	≤ 1.05 dB (cable + connectors, typical)
Insertion Loss @ 26.5 GHz	≤ 1.90 dB (cable + connectors, typical)
Shielding Effectiveness	> 90 dB
Connector Mating Cycles	500 typical (SSMA precision interface)
Recommended Mating Torque	0.45 – 0.55 N·m (4 – 5 in-lb)

Mechanical & Environmental

Static Bend Radius	Dynamic Bend Radius	Assembly Weight	Operating Temperature
8 mm	15 mm	0.0016 kg (300 mm assembly)	–55°C ~ +125°C

Ordering & Part Number Key**KL-150A-SSMAM-SSMAF-300** — 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.