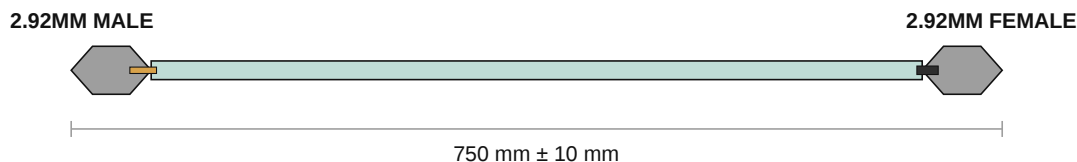


KL-360A-292M-292F-750

2.92mm Male to 2.92mm Female, 750 mm — RF Cable Assembly

**Assembly Configuration**

Base Cable	Connector A	Connector B	Length
KL-360A	2.92mm Male	2.92mm Female	750 mm ± 10 mm

Cable Construction

Element	Dimension (mm)	Material
Center Conductor	0.91	Silver-Plated Copper
Dielectric	2.50	Low-Density PTFE
Inner Shield	2.66	Silver-Plated Copper Tape
Outer Shield	3.11	Silver-Plated Copper Braid
Outer Jacket	3.60	Gray PFA (Custom Colors Available)

Electrical Performance (Assembly)

Parameter	Value
Frequency Range	DC – 40 GHz (connector-limited)
Characteristic Impedance	50 Ω
VSWR (Assembly, Typical)	≤ 1.25 : 1
Insertion Loss @ 1 GHz	≤ 0.35 dB (cable + connectors, typical)
Insertion Loss @ 8 GHz	≤ 0.90 dB (cable + connectors, typical)
Insertion Loss @ 40 GHz	≤ 2.05 dB (cable + connectors, typical)
Shielding Effectiveness	> 90 dB
Connector Mating Cycles	500 typical (2.92mm precision interface)
Recommended Mating Torque	0.9 – 1.1 N·m (8 – 10 in-lb)

Mechanical & Environmental

Static Bend Radius	Dynamic Bend Radius	Assembly Weight	Operating Temperature
18 mm	36 mm	0.025 kg (750 mm assembly)	–55°C ~ +165°C

Ordering & Part Number Key

KL-360A-292M-292F-750 — 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.