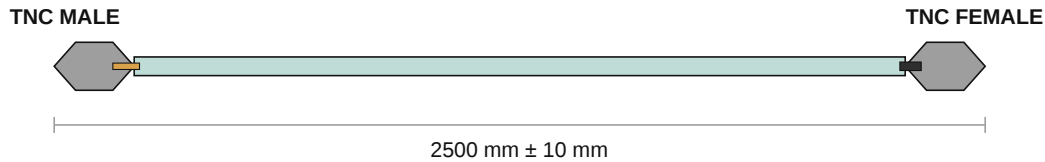


KL-480A-TNCM-TNCF-2500

TNC Male to TNC Female, 2500 mm — RF Cable Assembly

**Assembly Configuration**

Base Cable	Connector A	Connector B	Length
KL-480A	TNC Male	TNC Female	2500 mm ± 10 mm

Cable Construction

Element	Dimension (mm)	Material
Center Conductor	1.40	Silver-Plated Copper
Dielectric	3.75	Low-Density PTFE
Inner Shield	3.95	Silver-Plated Copper Tape
Outer Shield	4.35	Silver-Plated Copper Braid
Outer Jacket	4.80	Gray PFA (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	≤ 0.65 dB (cable + connectors, typical)
Insertion Loss @ 8 GHz	≤ 1.80 dB (cable + connectors, typical)
Insertion Loss @ 18 GHz	≤ 2.75 dB (cable + connectors, typical)
Shielding Effectiveness	> 90 dB
Connector Mating Cycles	500 typical (TNC threaded interface)
Recommended Mating Torque	1.0 – 1.3 N·m (9 – 11 in-lb)

Mechanical & Environmental

Static Bend Radius	Dynamic Bend Radius	Assembly Weight	Operating Temperature
24 mm	48 mm	0.138 kg (2500 mm assembly)	–55°C ~ +165°C

Ordering & Part Number Key

KL-480A-TNCM-TNCF-2500 — 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.