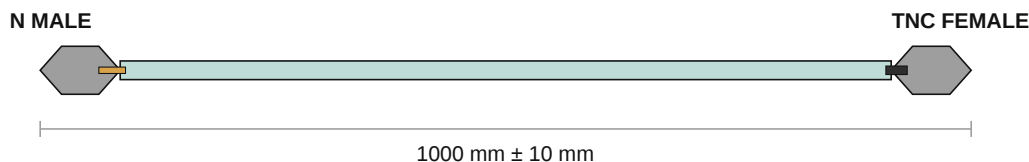


KL-830A-NM-TNCF-1000

N Male to TNC Female, 1000 mm — RF Cable Assembly

**Assembly Configuration**

Base Cable	Connector A	Connector B	Length
KL-830A	N Male	TNC Female	1000 mm ± 10 mm

Cable Construction

Element	Dimension (mm)	Material
Center Conductor	2.44	Silver-Plated Copper
Dielectric	6.50	Low-Density PTFE
Inner Shield	6.90	Silver-Plated Copper Tape
Outer Shield	7.65	Silver-Plated Copper Braid
Outer Jacket	8.30	Teal 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	≤ 0.20 dB (cable + connectors, typical)
Insertion Loss @ 8 GHz	≤ 0.45 dB (cable + connectors, typical)
Insertion Loss @ 18 GHz	≤ 0.70 dB (cable + connectors, typical)
Shielding Effectiveness	> 90 dB
Connector Mating Cycles	500 typical per interface
Recommended Mating Torque	N end: 1.7 N·m; TNC end: 1.0–1.3 N·m

Mechanical & Environmental

Static Bend Radius	Dynamic Bend Radius	Assembly Weight	Operating Temperature
42 mm	83 mm	0.162 kg (1000 mm assembly)	–55°C ~ +165°C

Ordering & Part Number Key

KL-830A-NM-TNCF-1000 — 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.