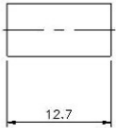
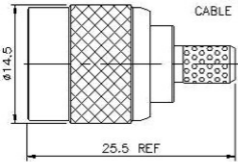


RECOMMENDED
CABLE STRIPPING DIM'S



TNC Series

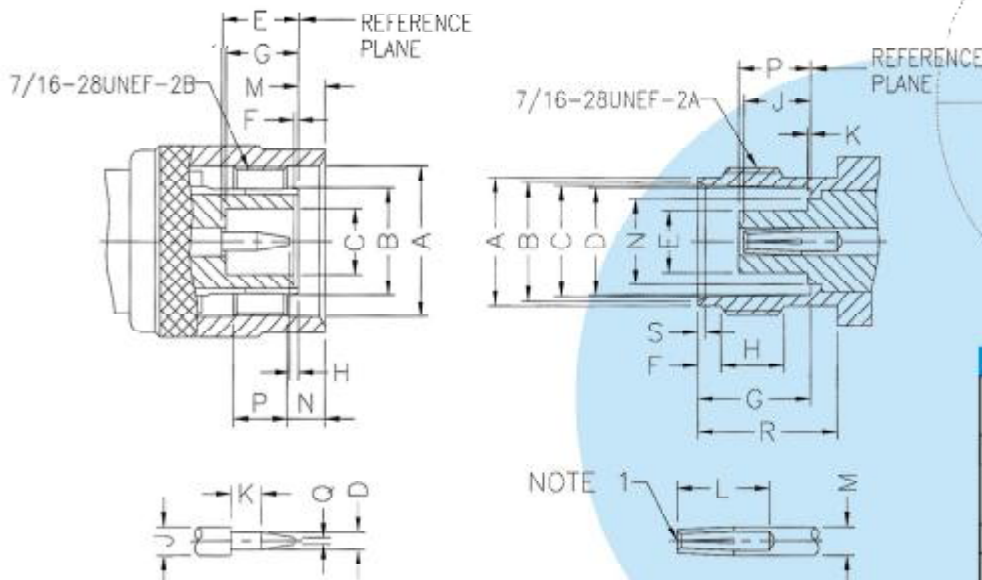
Songtech

TNC connectors are designed with a Highly reliable threaded coupling to ensure additional protection against shocks and vibrations.

They are dimensionally and electrically similar to the BNC series, and are especially suitable for use in vibration exposed equipment such as commercial and military radio telecommunication systems, as well as avionic equipment where a highly durable coupling is needed.

TNC series are also widely use in medical equipment, computer and test instrumentation.

INTERFACE MATING DIMENSIONS



NOTE 1: I.D. TO MEET VSWR AND CONTACT RESISTANCE WHEN MATED WITH 1.32/1.37 MM DIA. PIN.

PLUG		
Letter	Millimeters	
	Minimum	Maximum
A	11.18	-
B	Flared To Meet Good Electrical Contact	
C	4.83	-
D	1.32	1.37
E	5.33	5.84
F	0.15	0.46
G	5.28	5.79
H	0.08	1.02
J	2.06	2.21
K	1.98	-
M	-	1.98
N	1.60	-
P	3.96	-
O	-	0.64

JACK		
Letter	Millimeters	
	Minimum	Maximum
A	9.60	9.70
B	8.79	9.04
C	8.31	8.46
D	8.10	8.15
E	-	4.72
F	1.73	2.24
G	8.31	8.51
H	4.75	-
J	4.72	5.23
K	-	0.15
L	4.95	-
M	2.06	2.21
N	-	6.50
P	4.78	5.28
R	10.52	-
S	0.38	0.76



Specifications

Electrical			
Impedance	50 ohm	75 ohm	
Frequency Range	0 - 4 GHz	0 - 1 GHz	
Working Voltage	500 VRMS max.	500 VRMS max.	
Dielectric Withstanding Voltage	1500 VRMS min.	1500 VRMS min.	
VSWR	Straight	1.3 max	1.3 max
	Right Angle	1.5 max	1.5 max
Contact Resistance	Center Contact	3 Milliohms Max.	3 Milliohms Max.
	Outer Contact	2 Milliohms Max.	2 Milliohms Max.
Insulator Resistance	5000 Megohms min.	5000 Megohms min.	

Material		
Parts Name	Material	Finish
Body, Metal Parts	Brass per QQ-B-626	Nickel plated
Center Contacts	Plug: Brass per QQ-B-626	Gold or Silver per requirement
	Jack: Beryllium copper per QQ-C-530 or Phosphor Bronze per QQ-B-750 or Brass per QQ-B-626	Gold or Silver per requirement
Insulators	Teflon, Delrin, PBT polyester	None
Crimp Ferrules	Annealed copper	Nickel or Silver per requirement
Clamp Gaskets	Silicone rubber, Synthetic rubber	None

NOTE: Other Material/Finish is Available on Request.

Mechanical & Environmental	
Mating	7/16-28 UNEF-2A threaded coupling
Engagement Force	2 in-lbs. max.
Disengagement Force	2 in-lbs. max.
Coupling Nut Retention	100 lbs. min.
Coupling Proof Torque	15 in-lbs. min.
Contact Retention	6 lbs. min.
Durability(Mating)	500 cycles min.(for Beryllium copper Jack contact only)
Temperature Range	-65° C to 165° C
Vibration	MIL-STD-202 Method 204 Test Cond.B.
Salt Spray	MIL-STD-202 Method 101 Test Cond.B.
Thermal Shock	MIL-STD-202 Method 107 Test Cond.B.