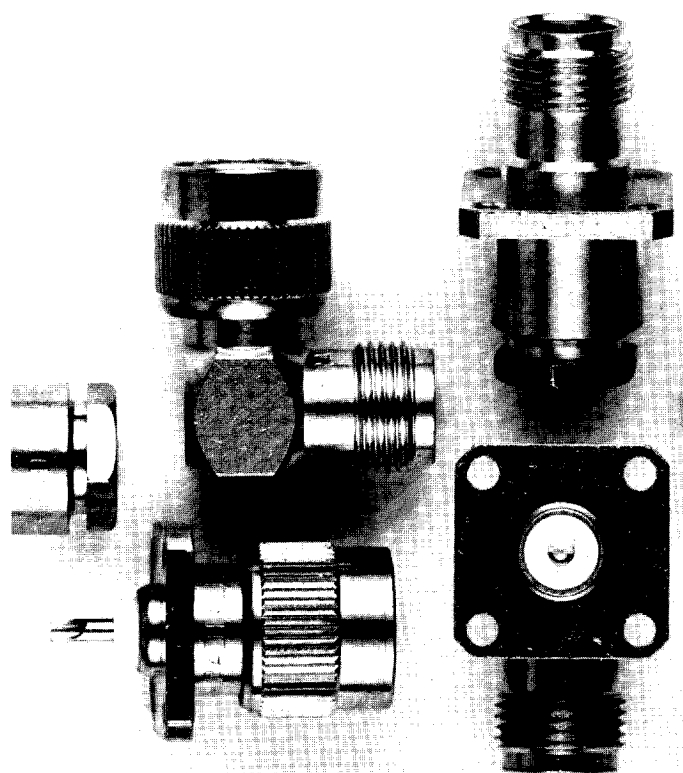


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<b>50 Ω</b>	<b>DC–11 GHz</b> standard <b>DC–18 GHz</b> 18 GHz series
<b>75 Ω</b>	<b>DC–1.5 GHz</b> <b>DC–1 GHz</b> recommended
<b>50 and 75 Ω</b> <b>COMMERCIAL</b>	<b>DC–1.5 GHz</b>

## GENERAL

- Screw-on equivalent to BNC bayonet series
- Good RF performance
- Suitable for high power levels
- Long life and high strength
- 3 ranges :
  - Standard TNC series (50 and 75 Ω)
  - Commercial TNC series (50 and 75 Ω)
  - 18 GHz TNC series (50 Ω)

## APPLICABLE STANDARDS

- MIL-C-39012
- IEC 169-17
- CECC (draft)
- GAM list

## APPLICATIONS

- Avionics
- Aeronautics
- Computers
- Countermeasures

# TNC

## CHARACTERISTICS

TEST/CHARACTERISTICS	MIL-C-39012 A	VALUES/REMARKS
----------------------	---------------	----------------

### ELECTRICAL CHARACTERISTICS

Impedance		50 $\Omega$	75 $\Omega$
Frequency range		DC-11 GHz	DC-1.5 GHz
V.S.W.R.	3-14	1.30 max	
Insertion loss	3-27	0.18 dB max at 9 GHz	
RF leakage	3-26	-60 dB min from 2 to 3 GHz	
Insulation resistance	3-11	5000 M $\Omega$ min	
Contact resistance	3-16	center contact (m $\Omega$ ) outer contact (m $\Omega$ )	Initial 1.5 0.2  After proof 2 -
Working voltage		at sea level : 500 V rms	at 70000 ft (21000 m) : 125 V rms
Dielectric withstanding voltage	3-17	at sea level : 1500 V rms	at 70000 ft (21000 m) : 375 V rms
RF withstanding voltage	3-23	at sea level : 1000 V rms (5 MHz sine wave)	

### MECHANICAL CHARACTERISTICS

Durability	3-15	500 matings	
Mating / unmating		axial force : not applicable torque : 1.96 inch pounds (22.6 N.cm)	
Recommended mating torque		3.99 to 5.98 inch pounds (46 to 69 N.cm)	
Proof torque		14.74 inch pounds (170 N.cm)	
Coupling mechanism retention force	3-25	100 Lbf (44.5 daN)	
Cabling retention force	3-24	cable clamp :	40.6 Lbf (181 N min) (all cables)
		crimped :	51 Lbf (227 N min) (cable dia. .189 (4.8) to .228 (5.8))
			76.4 Lbf (340 N min) (cable dia. .250 (6.35) and above)
Center contact retention		Axial : 6.06 Lbf (27 N)	

### ENVIRONMENTAL CHARACTERISTICS

Temperature range		standard models hermetic sealed models models for semi-rigid cables	-65°C / + 165°C -65°C / +100°C -65°C / +105°C
Combined climate tests			
Thermal shock	3-20	MIL-STD-202, method 107, condition B	
High temperature endurance		MIL-STD-202, method 108	
Corrosion (salt spray)	3-13	MIL-STD-202, method 101, condition B	
Vibrations	3-18	MIL-STD-202, method 204, condition B	
Shocks	3-19	MIL-STD-202, method 213, condition G	
Moisture resistance	3-21	MIL-STD-202, method 106	
Low pressure	3-22	not applicable	
Hermetic seal		applied vacuum 10 <sup>-6</sup> mm of Hg (Torrs) leakage rate < 10 <sup>-6</sup> atm/cm <sup>3</sup> /s	
Leakage		pressure 3.5 bars ; duration 2mn ; temperature 15°C to 25°C	

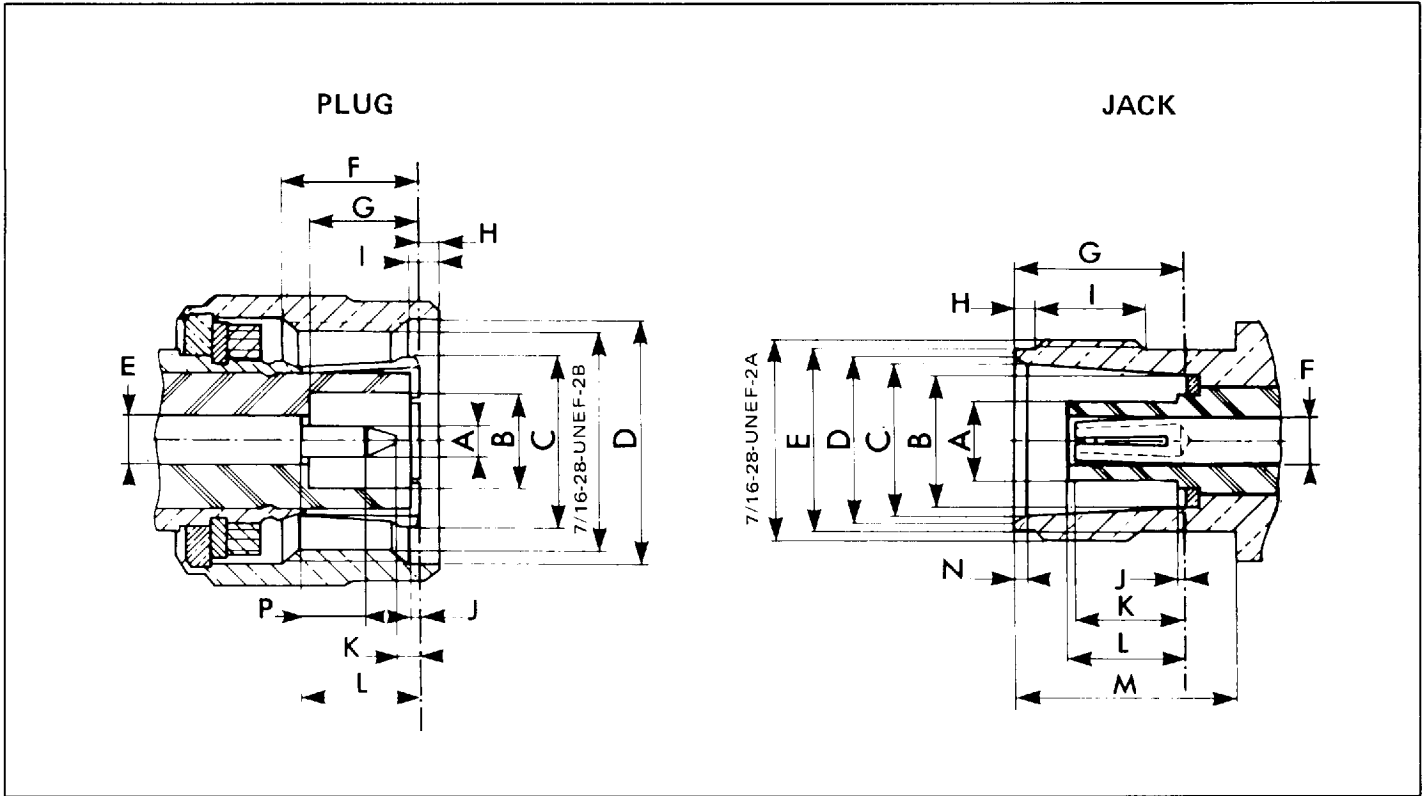
### MATERIALS

Body and center pin contact		brass as per QQ-B-626
Center socket contact		beryllium copper as per QQ-C-530
Ferrules		brass
Insulators		PTFE teflon
Gaskets		silicone elastomer

### PLATING

Body		nickel plated
Center contacts		gold plated

All dimensions are given in inches (millimeters)



Letter	PLUG				JACK			
	mm		inch		mm		inch	
	min.	max.	min.	max.	min.	max.	min.	max.
Dia. A	1.32	1.37	.052	.054	-	4.72	-	.186
Dia. B	4.83	-	.190	-	8.10	8.15	.319	.321
Dia. C	-	-	-	-	8.31	8.46	.327	.333
Dia. D	11.18	-	.440	-	8.76	9.04	.345	.356
Dia. E	-	2.2	-	.087	9.60	9.68	.378	.381
F	3.96	-	.156	-	-	2.2	-	.087
G	5.28	5.79	.208	.228	8.36	8.46	.329	.333
H	-	1.98	-	.078	1.73	2.24	.068	.088

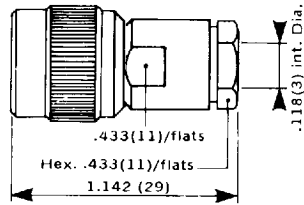
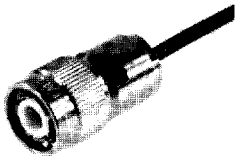
  

Letter	PLUG				JACK			
	mm		inch		mm		inch	
	min.	max.	min.	max.	min.	max.	min.	max.
I	1.60	-	.063	-	4.75	-	.187	-
J	0.15	-	.006	-	-	0.15	-	.006
K	0.08	1.02	.003	.040	4.72	5.23	.186	.206
L	5.33	5.84	.210	.230	4.78	5.28	.188	.208
M	-	-	-	-	10.56	-	.415	-
N	-	-	-	-	0.38	0.76	.015	.030
P	1.98	-	.078	-	-	-	-	-

# TNC

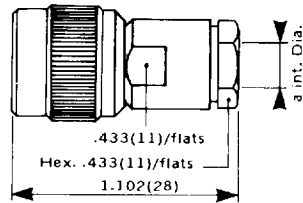
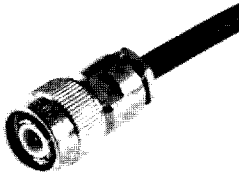
## CABLE CLAMP TYPE FOR FLEXIBLE CABLE

### Straight plug



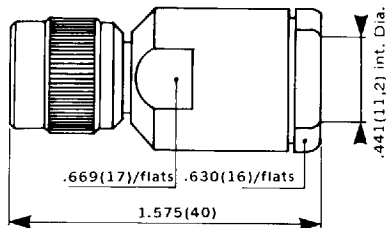
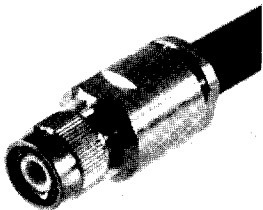
CABLE GROUP	.102 (2.6) / 50 + 75	
PART NUMBER	<b>R 143 004 000</b>	
Captive contact	YES	
Assembly instructions	M04 page 29	

### Straight plugs



CABLE GROUP	.197 (5) / 50	.236 (6) / 75 + 93
PART NUMBER	<b>R 143 008 000</b>	<b>R 143 012 000</b>
a Dia. max.	.220 (5.6)	.260 (6.6)
Captive contact	NO	
Assembly instructions	M02 page 27	

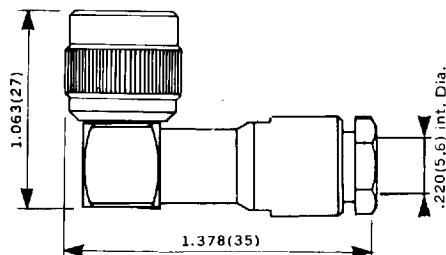
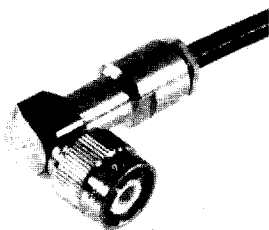
### Straight plugs



CABLE GROUP	.393 (10) + .433 (11) / 50	
PART NUMBER	<b>R 143 018 000</b>	<b>*R 143 018 500*</b>
Captive contact	YES	
Assembly instructions	M08 page 27	

\*2 Locwire holes.

### Right angle plug



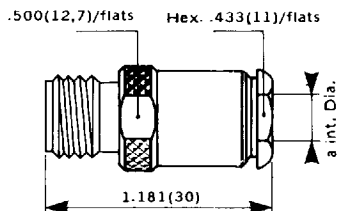
CABLE GROUP	.197 (5) / 50	
PART NUMBER	<b>R 143 156 000</b>	
Assembly instructions	M02 page 27	

• Manufactured upon request.

## CABLE CLAMP TYPE FOR FLEXIBLE CABLE

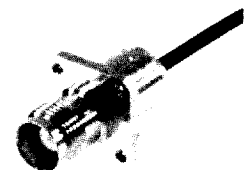
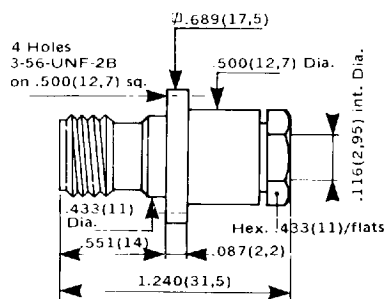
### Straight jacks

CABLE GROUP	.197 (5) / 50	.236 (6) / 75 + 93
PART NUMBER	R 143 207 000	R 143 210 000●
a Dia. max.	.220 (5.6)	.260 (6.5)
Captive contact	NO	YES
Assembly instructions	M02 page 27	



### Square flange straight jack

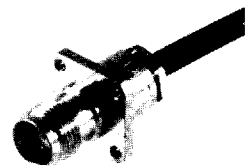
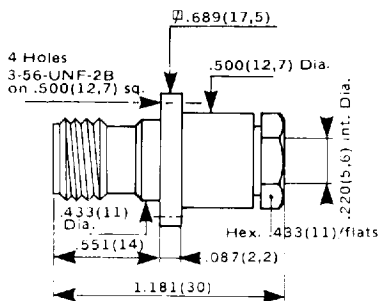
CABLE GROUP	.102 (2.6) / 50 + 75	
PART NUMBER	R 143 254 000	
Captive contact	YES	
Assembly instructions	M04 page 29	
Panel drilling	P2 + P3 page 18	



Also for M 2.5 screws

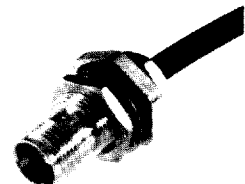
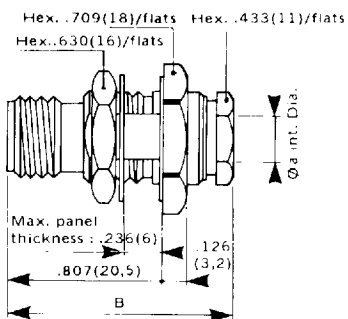
### Square flange straight jack

CABLE GROUP	.197 (5) / 50	
PART NUMBER	R 143 258 000	
Captive contact	NO	
Assembly instructions	M02 page 27	
Panel drilling	P2 + P3 page 18	



Also for M 2.5 screws

CABLE GROUP	.102 (2.6) / 50 + 75	.197 (5) / 50	
PART NUMBER	R 143 324 000	R 143 324 410●	R 143 325 000
a Dia. max.	.118 (3)	.220 (5.6)	
Dim. B	1.240 (31.5)	1.181 (30)	
Body	1 flat	2 flats	1 flat
Captive contact	YES		
Assembly instructions	M04 page 29		M02 page 27
Panel drilling	P11 + P12 page 18		

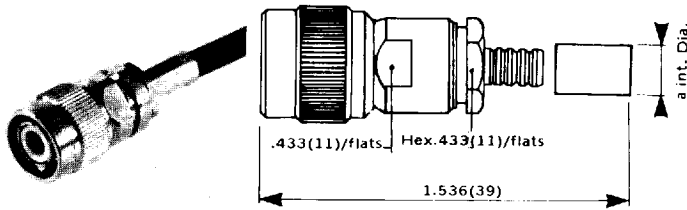


● Manufactured upon request.

# TNC

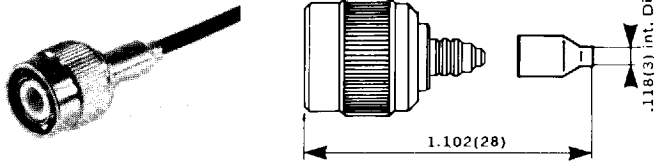
## CRIMP TYPE FOR FLEXIBLE CABLE

### Straight plugs



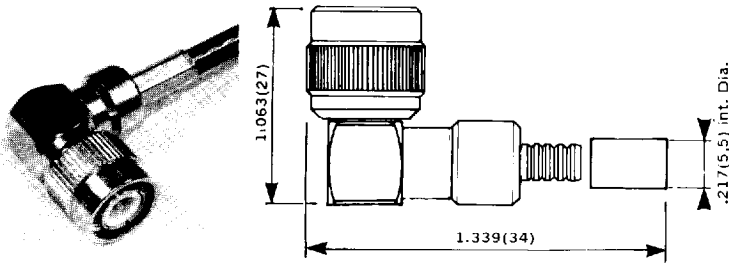
CABLE GROUP	.197 (5) / 50 S. scr.	.197 (5) / 50 D. scr.	.236 (6) / 75 + 93
PART NUMBER	R 143 072 000	R 143 073 000	R 143 074 000
a Dia. max.	.220 (5.6)		.260 (6.6)
Captive contact	YES		
Assembly instructions	M06 page 31		

### Straight plugs



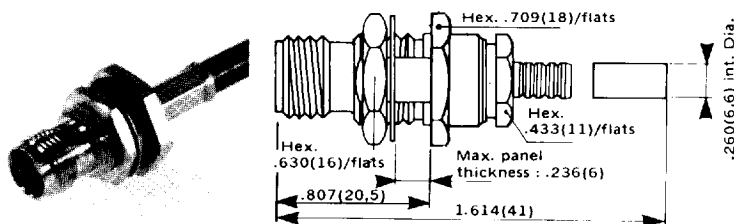
CABLE GROUP	.102 (2.6) / 50 + 75 S. scr.	.197 (5) / 50 S. scr.
PART NUMBER	R 143 075 000	R 143 082 000
a Dia. max.	.118 (3)	.220 (5.6)
Captive contact	YES	
Assembly instructions	M05 page 30	M03 page 28

### Right angle plugs



CABLE GROUP	.102 (2.6) / 50 + 75 S. scr.	.197 (5) / 50 S. scr.
PART NUMBER	R 143 181 000●	R 143 182 000
a Dia. max.	.118 (3)	.220 (5.6)
Captive contact	YES	
Assembly instructions	M05 page 30	M03 page 28

### Bulkhead panel sealed straight jack

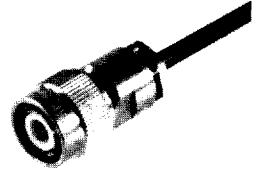
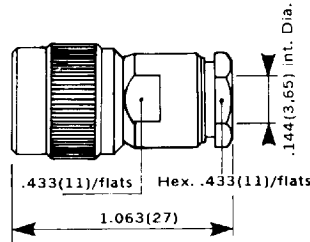


CABLE GROUP	.236 (6) / 75 + 93
PART NUMBER	R 143 328 000
Captive contact	YES
Assembly instructions	M06 page 31
Panel drilling	P11 + P12 page 18

● Manufactured upon request.

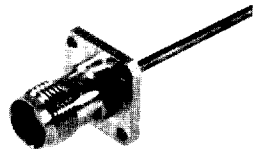
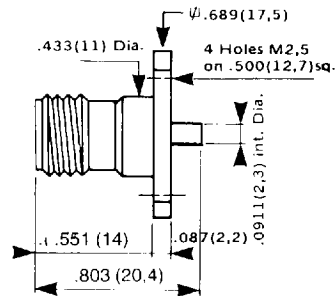
### Straight plug (cable clamp type)

CABLE GROUP	.141"
PART NUMBER	<b>R 143 052 000</b>
Captive contact	NO
Assembly instructions	M01 page 26



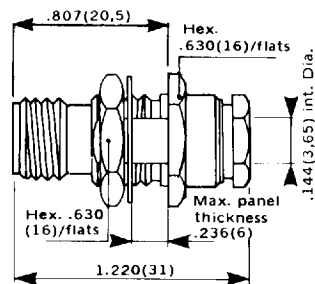
### Square flange straight jack (solder type)

CABLE GROUP	.085"
PART NUMBER	<b>R 143 257 440●</b>
Captive contact	NO
Assembly instructions	M09 page 33
Panel drilling	P2 page 18
Frequency	6 GHz max.



### Bulkhead panel sealed straight jack (cable clamp type)

CABLE GROUP	.141"
PART NUMBER	<b>R 143 337 000</b>
Captive contact	NO
Assembly instructions	M01 page 26
Panel drilling	P11 page 18



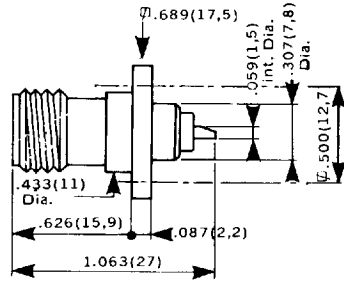
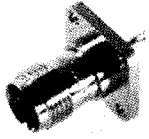
● Manufactured upon request.



# TNC

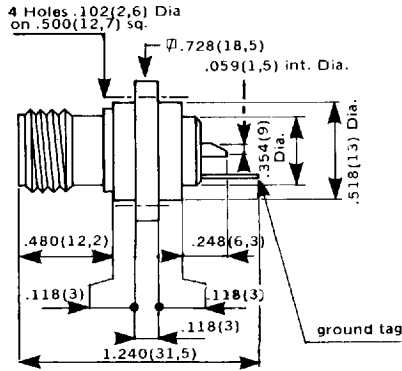
## FLANGE MOUNT RECEPTACLES

### Square flange straight jacks (solder pot)



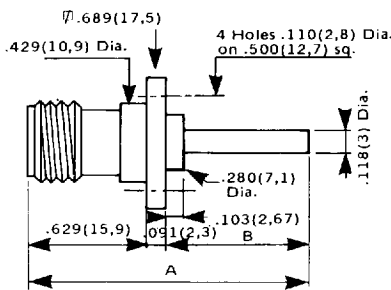
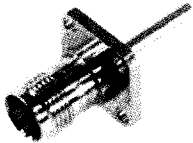
PART NUMBER	<b>R 143 404 000</b>	<b>R 143 405 000</b>
Flange holes	4 x M 2.5	4 x .102(2.6) Dia.
Captive contact	YES	
Panel drilling	P1 + P2 page 18	

### Square insulated flange straight jack (solder pot)



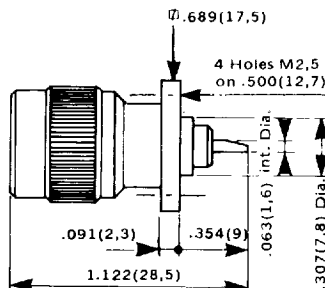
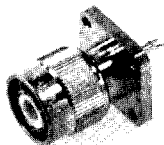
PART NUMBER	<b>R 143 406 000●</b>
Captive contact	YES
Panel drilling	P4 page 18

### Square flange straight jacks (straight terminal)



PART NUMBER	<b>R 143 430 000●</b>	<b>R 143 431 000●</b>	<b>R 143 432 000●</b>
Captive contact	YES		
Dim. A	1.464 (37.2)	1.405 (35.7)	1.870 (47.5)
Dim. B	.748 (19)	.689 (17.5)	1.153 (29.3)
Panel drilling	P2 page 18		

### Square flange straight plug (solder pot)



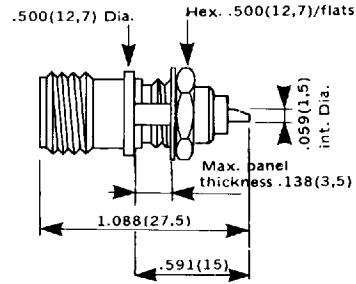
PART NUMBER	<b>R 143 440 000</b>
Captive contact	YES
Panel drilling	P1 page 18

● Manufactured upon request.

## FLANGE AND BULKHEAD MOUNT RECEPTACLES

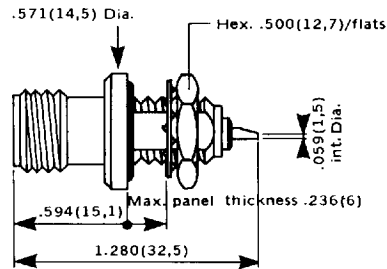
### Bulkhead straight jack

PART NUMBER	<b>R 143 557 000</b>
Captive contact	YES
Panel drilling	P13 page 18



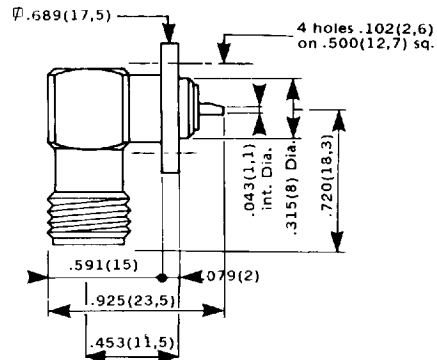
### Bulkhead panel sealed straight jack

PART NUMBER	<b>R 143 603 000</b>
Captive contact	YES
Panel drilling	P14 page 18



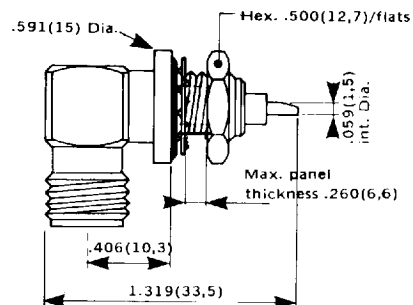
### Square flange right angle jack

PART NUMBER	<b>R 143 654 000</b>
Captive contact	YES
Panel drilling	P1 page 18



### Bulkhead panel sealed right angle jack

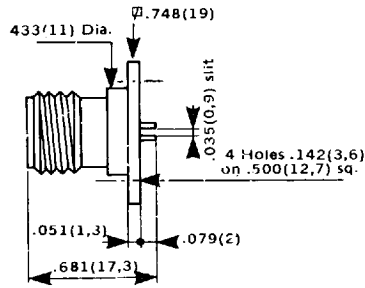
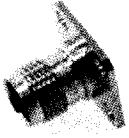
PART NUMBER	<b>R 143 680 000</b>
Captive contact	YES
Panel drilling	P13 page 18



# TNC

## FLANGE MOUNT RECEPTACLES

### Square flange straight jack for stripline (slotted contact)



PART NUMBER

**R 143 420 000**

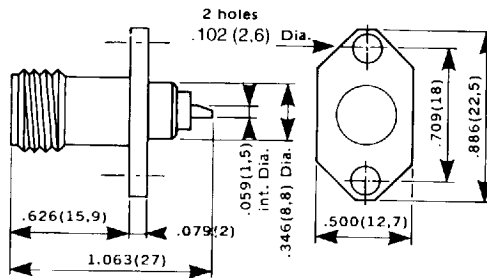
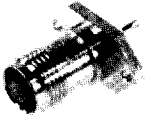
Captive contact

NO

Panel drilling

P5 page 18

### Truncated flange straight jack (solder pot)



PART NUMBER

**R 143 453 000**

Captive contact

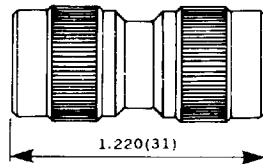
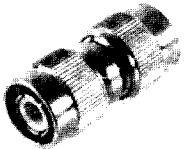
YES

Panel drilling

P15 page 18

## IN SERIES ADAPTERS

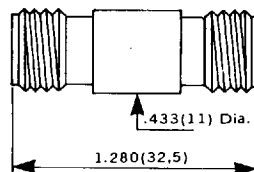
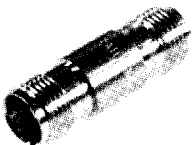
### Straight plug/plug



PART NUMBER

**R 143 703 000**

### Straight jack/jack

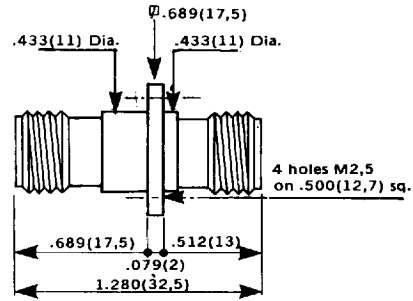


PART NUMBER

**R 143 704 000**

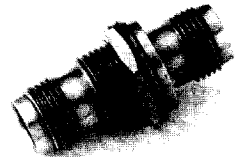
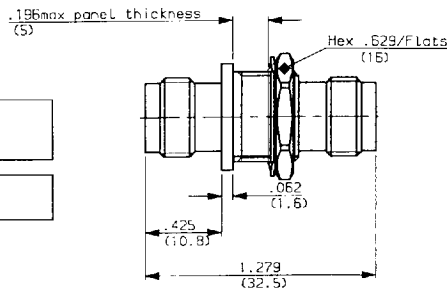
### Square flange straight jack/jack

PART NUMBER	<b>R 143 710 000</b>
Panel drilling	P2 page 18



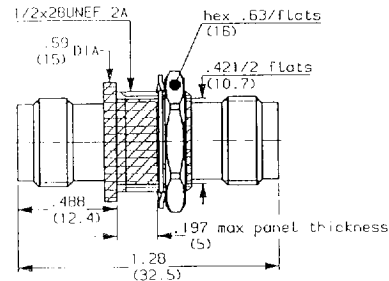
### Bulkhead straight jack/jack

PART NUMBER	<b>R 143 720 000●</b>
Panel drilling	P12 page 18



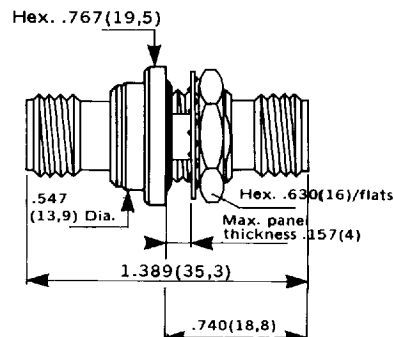
### Bulkhead insulated straight jack/jack

PART NUMBER	<b>R 143 723 000●</b>
Panel drilling	P11 + P12 page 18



### Bulkhead hermetically sealed straight jack/jack

PART NUMBER	<b>R 143 753 000</b>
Panel drilling	P11 page 18

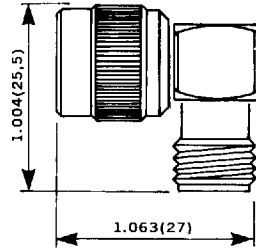
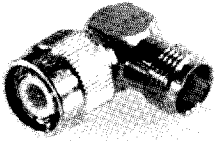


● Manufactured upon request.

# TNC

## IN SERIES ADAPTERS

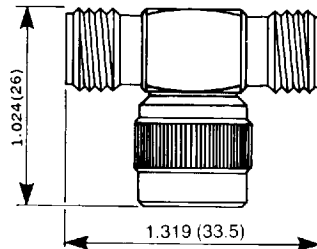
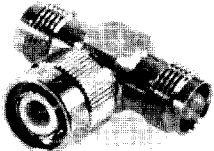
### Right angle plug/jack



PART NUMBER

R 143 770 000

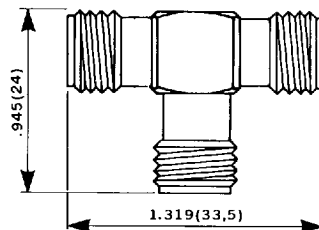
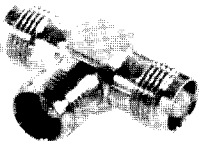
### Jack-jack/plug tee



PART NUMBER

R 143 780 000

### Jack-jack/jack tee

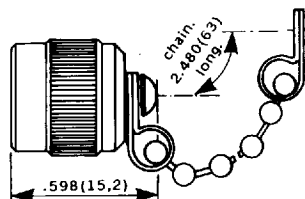
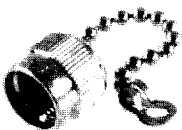


PART NUMBER

R 143 782 000

## CAP

### Plug dust cap (with chain)



PART NUMBER

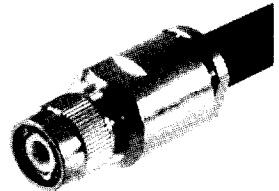
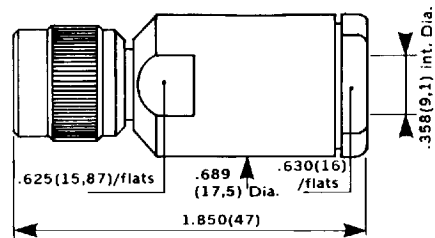
R 143 812 000

# TNC 75 Ω

## CABLE CLAMP TYPE FOR FLEXIBLE CABLE

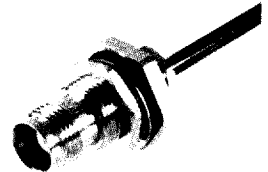
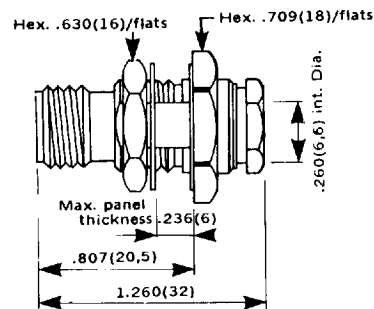
### Straight plug

CABLE GROUP	.315 (8) / 75
PART NUMBER	<b>R 144 017 000●</b>
Captive contact	YES
Assembly instructions	M07 page 32



### Bulkhead straight jack

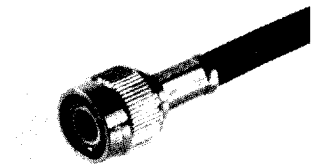
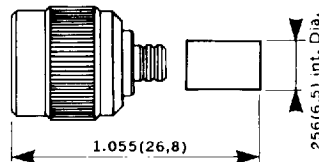
CABLE GROUP	.236 (6) / 75
PART NUMBER	<b>R 144 329 000●</b>
Captive contact	YES
Assembly instructions	M02 page 27
Panel drilling	P11 page 18



## CRIMP TYPE FOR FLEXIBLE CABLE

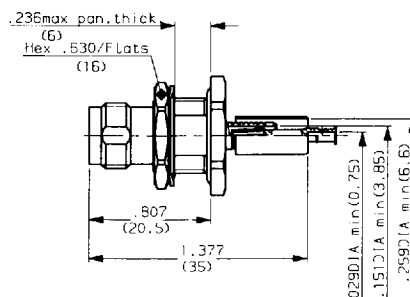
### Straight plug

CABLE GROUP	.236 (6) / 75 + 93
PART NUMBER	<b>R 144 085 000</b>
Captive contact	YES
Assembly instructions	M03 page 28



### Bulkhead panel sealed straight jack

CABLE GROUP	.236 (6) / 75 + 93
PART NUMBER	<b>R 144 334 000</b>
Captive contact	YES
Assembly instructions	M03 page 28
Panel drilling	P11 + P12 page 18



● Manufactured upon request.

# COMMERCIAL TNC

## ELECTRICAL CHARACTERISTICS

Characteristics impedance	:	50 and 75Ω
Operating frequency	:	DC – 1.5 GHz
Test voltage	:	1500 V rms
Operating voltage	:	500 V rms
Insulation resistance	:	> 5000 MΩ (500 V)
Contact resistance	:	< 10 mΩ

## ENVIRONMENTAL CHARACTERISTICS

Temperature range	:	-35°C / +70°C
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## PLATING

Body	:	Nickel
Center contact	:	Gold

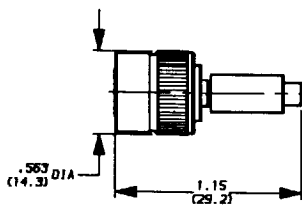
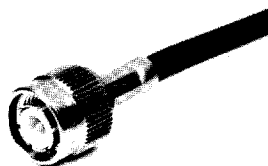
## CONNECTORS PACKAGING

Standard : in boxes of 100 units (same P/N)

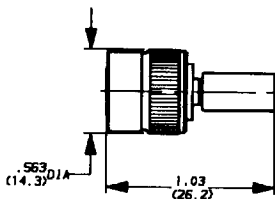
Specific unit packaging (special price) : add the "W" suffix after the part number

## CRIMP TYPE FOR FLEXIBLE CABLE

### Straight plugs

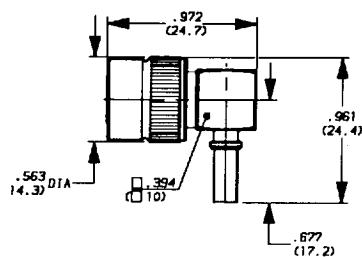
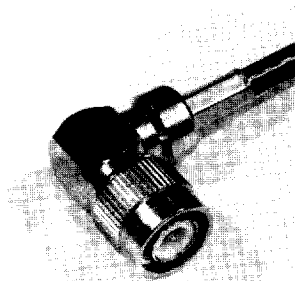


CABLE GROUP	.102 (2.6) / 50 S. scr.	
PART NUMBER	<b>R 143 075 161●</b>	
Impedance	50Ω	
Assembly instructions	M05 page 30	

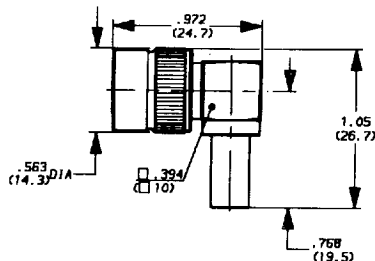


CABLE GROUP	.197 (5) / 50 S. scr.	.236 (6) / 75
PART NUMBER	<b>R 143 082 161</b>	<b>R 143 085 161●</b>
Impedance	50Ω	75Ω
Assembly instructions	M03 page 28	

### Right angle plugs



CABLE GROUP	.102 (2.6) / 50 S. scr.	
PART NUMBER	<b>R 143 181 161●</b>	
Impedance	50Ω	
Assembly instructions	M10 page 34	



CABLE GROUP	.197 (5) / 50 S. scr.	
PART NUMBER	<b>R 143 182 161</b>	
Impedance	50Ω	
Assembly instructions	M10 page 34	

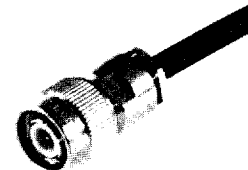
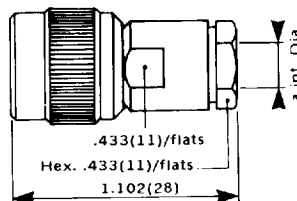
● Manufactured upon request.

# COMMERCIAL TNC

## CABLE CLAMP TYPE FOR FLEXIBLE CABLE

Straight plug

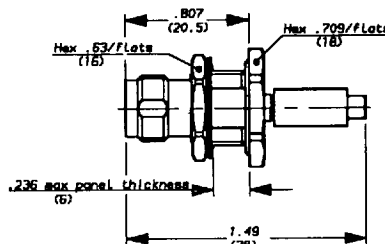
CABLE GROUP	.197 (5) / 50
PART NUMBER	<b>R 143 007 161</b> •
Impedance	50Ω
Assembly instructions	M07 page 32



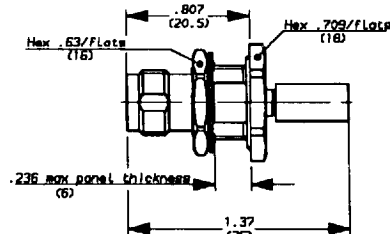
## CRIMP TYPE FOR FLEXIBLE CABLE

Bulkhead panel sealed straight jacks

CABLE GROUP	.102 (2.6) / 50 S scr.	
PART NUMBER	<b>R 143 331 161</b>	
Impedance	50Ω	
Assembly instructions	M05 page 30	
Panel drilling	P11 + P12 page 18	



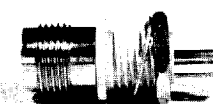
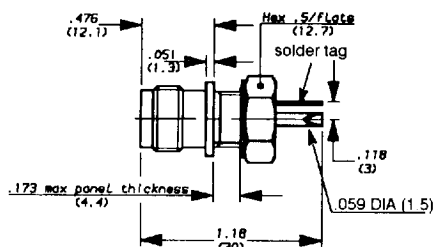
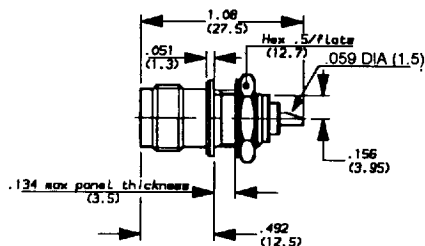
CABLE GROUP	.197 (5) / 50 S. scr.	.236 (6) / 75
PART NUMBER	<b>R 143 332 161</b>	<b>R 144 334 161</b> •
Impedance	50Ω	75Ω
Assembly instructions	M03 page 28	
Panel drilling	P11 + P12 page 18	



## RECEPTACLES

Bulkhead straight jacks

PART NUMBER	<b>R 143 563 161</b> •	<b>R 143 574 161</b> •
Captive contact	YES	
Insulated	NO	YES
Panel drilling	P13 page 18	



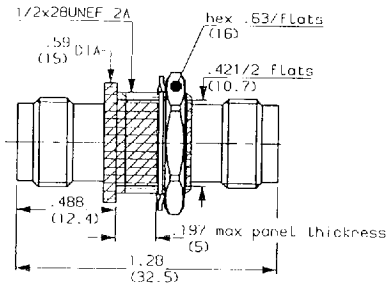
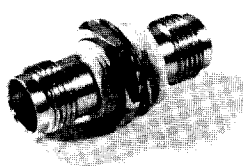
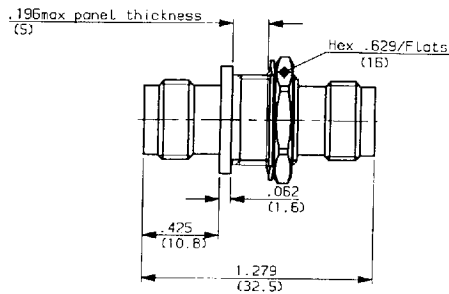
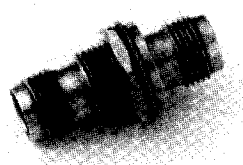
• Manufactured upon request.



# COMMERCIAL TNC

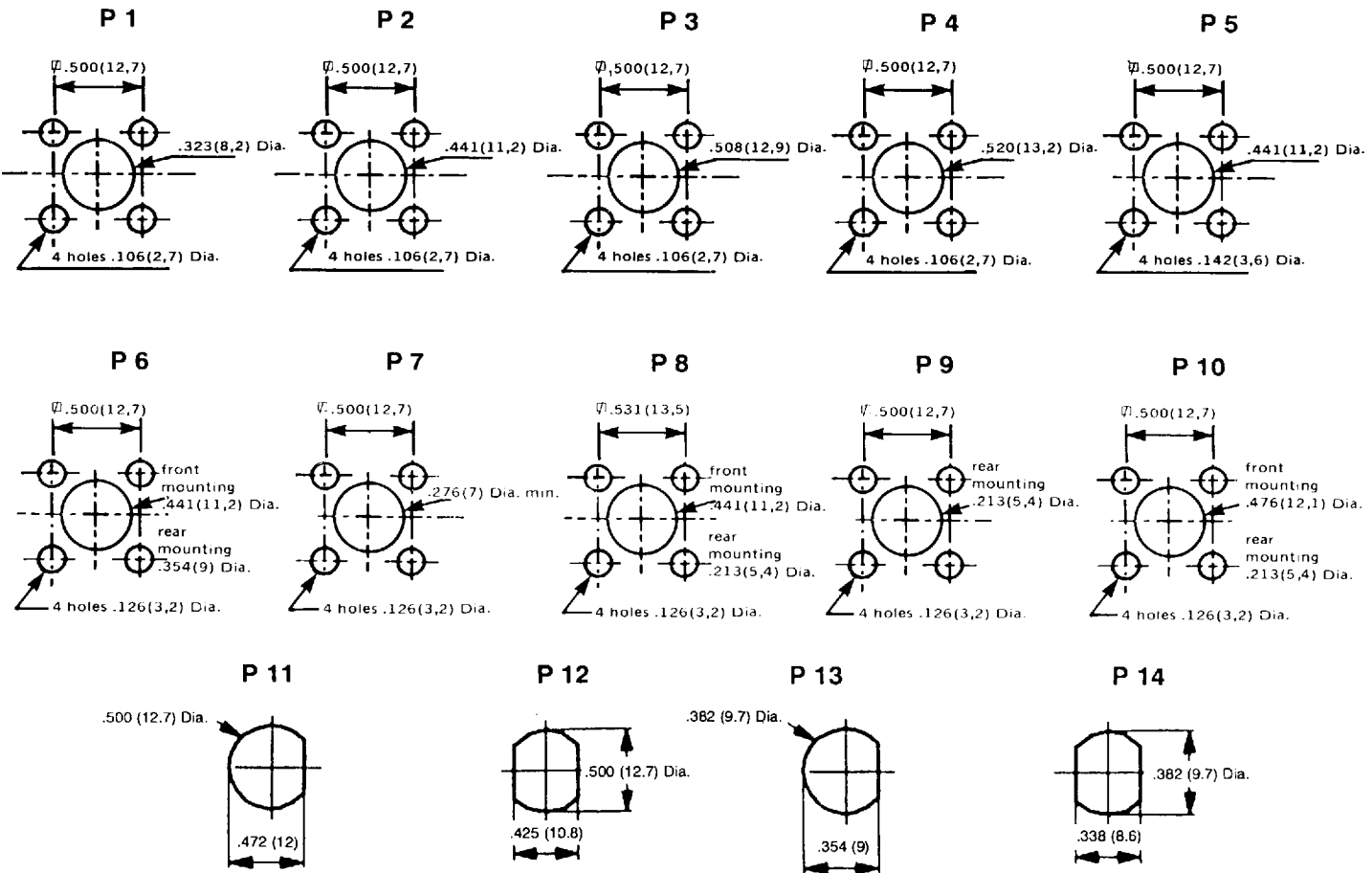
## IN SERIES ADAPTOR

### Bulkhead straight jack/jack



PART NUMBER	<b>R 143 720 161 •</b>	<b>R 143 723 161 •</b>
Impedance	50Ω	
Insulated	NO	YES
Panel drilling	P11 + P12 page 18	

## PANEL DRILLING



• Manufactured upon request.



# TNC 18 GHz

## CHARACTERISTICS

TEST/CHARACTERISTICS	MIL-C-39012 A	VALUES/REMARKS	
Impedance		50 Ω	
Frequency range		DC-18 GHz	
V.S.W.R.	3-14	semi-rigid cable : 1.17 max	between series adapter : 1.05 max
		flexible cable : 1.35 at 12.4 GHz	in series adapter : 1.35 max
Insertion loss	3-27	0.18 dB max at 9 GHz	
RF leakage	3-26	-60 dB min from 2 to 3 GHz	
Insulation resistance	3-11	5000 MΩ min	
Contact resistance	3-16	center contact (mΩ) outer conducteur (mΩ)	Initial 1.5 0.2  After proof 2 -
Working voltage		at sea level : 500 V rms	at 70000 ft (21000 m) : 125 V rms
Dielectric withstanding voltage	3-17	at sea level : 1500 V rms	at 70000 ft (21000 m) : 375 V rms
RF withstanding voltage	3-23	at sea level : 1000 V rms (5 MHz sine wave)	

### MECHANICAL CHARACTERISTICS

Durability	3-15	500 matings	
Mating / unmating		axial force : not applicable torque : 1.96 inch pounds (22.6 N.cm)	
Recommended mating torque		22.98 inch pounds (265 N.cm)	
Proof torque		29.40 inch pounds (339 N.cm)	
Coupling mechanism retention force	3-25	100 Lbf (44.5 daN)	
Cabling retention force	3-24	51 Lbf (227 N min) (cable dia. .189 (4.8) to .228 (5.8))	
		76.4 Lbf (340 N min) (cable dia. .250 (6.35) and above)	
Center contact retention		Axial : 6.06 Lbf (27 N)	

### ENVIRONMENTAL CHARACTERISTICS

Temperature range		standard models hermetic sealed models models for semi-rigid cables	-65°C / +165°C -65°C / +100°C -65°C / +105°C
Combined climate tests			
Thermal shock	3-20	MIL-STD-202, method 107, condition B	
High temperature endurance		MIL-STD-202, method 108	
Corrosion (salt spray)	3-13	MIL-STD-202, method 101, condition B	
Vibrations	3-18	MIL-STD-202, method 204, condition B	
Shocks	3-19	MIL-STD-202, method 213, condition G	
Moisture resistance	3-21	MIL-STD-202, method 106	
Low pressure	3-22	not applicable	
Hermetic seal		applied vacuum 10 <sup>-6</sup> mm of Hg (Torr) leakage rate < 10 <sup>-6</sup> atm/cm <sup>3</sup> /s	
Leakage		pressure 3.5 bars ; duration 2mn ; temperature 15°C to 25°C	

### MATERIALS

Body and center pin contact		brass as per QQ-B-626	
Center socket contact		beryllium copper as per QQ-C-530	
Ferrules		brass	
Insulators		PTFE teflon	
Gaskets		silicone elastomer	

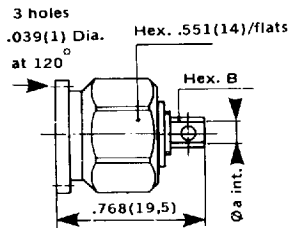
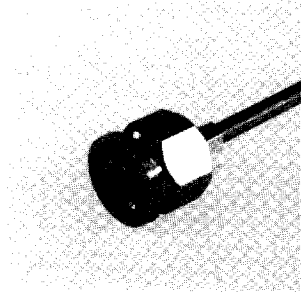
### PLATING

Body		nickel plated	
Center contacts		gold plated	

# TNC 18 GHz

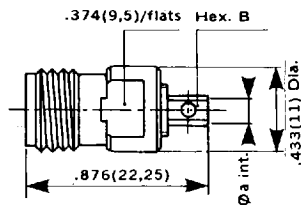
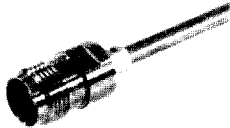
## SOLDER TYPE FOR SEMI-RIGID CABLE

### Straight plugs



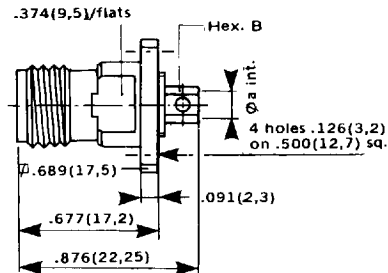
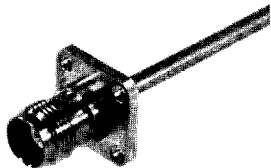
CABLE GROUP	.141"	.250"
PART NUMBER	<b>R 143 051 700</b>	<b>R 143 054 700</b>
a Dia. max.	.143 (3.65)	.254 (6.45)
Dim. B	Hex. .197 (5) flats	Hex. .315 (8) flats
Assembly instructions	M11 page 35	M12 page 36

### Straight jacks



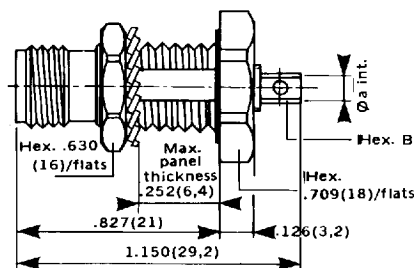
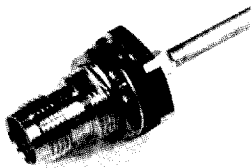
CABLE GROUP	.141"	.250"
PART NUMBER	<b>R 143 227 700</b>	<b>R 143 228 700</b>
a Dia. max.	.143 (3.65)	.254 (6.45)
Dim. B	Hex. .197 (5) flats	Hex. .315 (8) flats
Assembly instructions	M11 page 35	M12 page 36

### Square flange straight jacks



CABLE GROUP	.141"	.250"
PART NUMBER	<b>R 143 273 700</b>	<b>R 143 274 700</b>
a Dia. max.	.143 (3.65)	.254 (6.45)
Dim. B	Hex. .197 (5) flats	Hex. .315 (8) flats
Assembly instructions	M11 page 35	M12 page 36
Panel drilling	P6 page 18	

### Bulkhead straight jacks



CABLE GROUP	.141"	.250"
PART NUMBER	<b>R 143 321 700</b>	<b>R 143 322 700</b> •
a Dia. max.	.143 (3.65)	.254 (6.45)
Dim. B	Hex. .197 (5) flats	Hex. .315 (8) flats
Assembly instructions	M11 page 35	M12 page 36
Panel drilling	P11 page 18	

• Manufactured upon request.

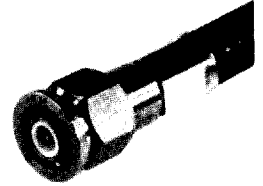
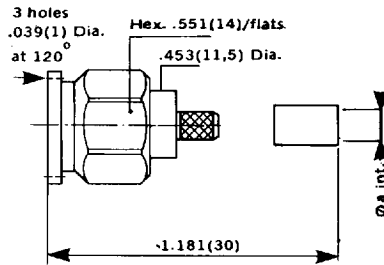
# TNC 18 GHz

## CRIMP TYPE FOR FLEXIBLE CABLE

### Straight plug

CABLE GROUP	.197 (5) / 50 D. scr.	.433 (11) / 50
PART NUMBER	<b>R 143 082 700</b>	<b>R 143 089 700●</b>
a Dia. max.	.218 (5.55)	.433 (11)
Assembly instructions	M13 page 37	M14 page 38

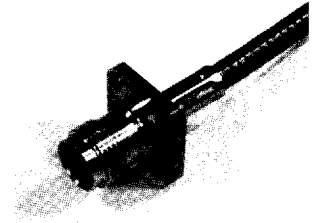
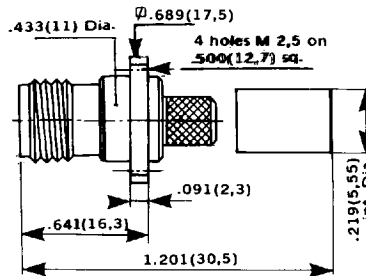
ATTENTION : Frequency limitation according to the used cable.



### Square flange straight jack

CABLE GROUP	.197 (5) / 50 D. scr.	
PART NUMBER	<b>R 143 292 700●</b>	
Assembly instructions	M13 page 37	
Panel drilling	P6 page 18	

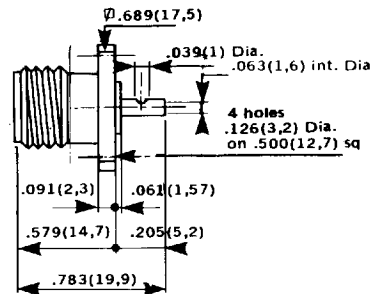
ATTENTION : Frequency limitation according to the used cable.



## RECEPTACLES

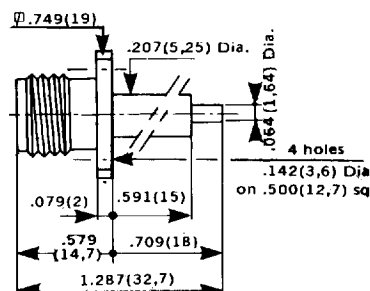
### Square flange straight jacks

PART NUMBER	<b>R 143 410 700●</b>	<b>R 143 410 710●</b>
Captive contact	YES	NO
Panel drilling	P7 page 18	



### Square flange straight jacks (extended dielectric – stub contact)

PART NUMBER	<b>R 143 412 700</b>	<b>R 143 413 700●</b>
Captive contact	YES	NO
Panel drilling	P8 page 18	

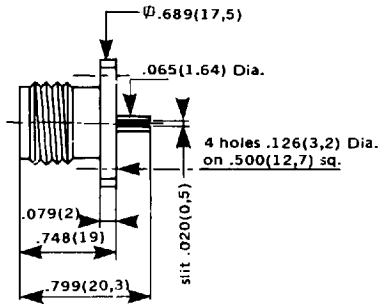
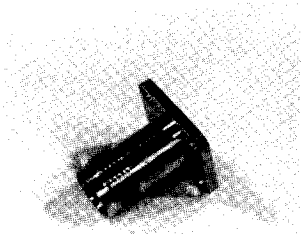


● Manufactured upon request.

# TNC 18 GHz

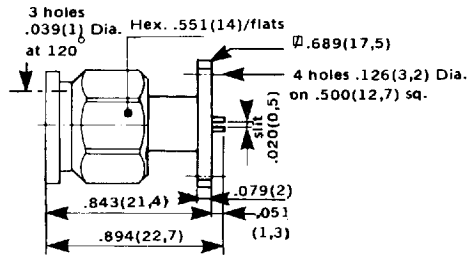
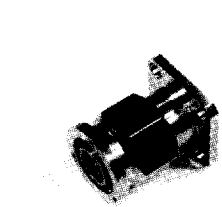
## RECEPTACLES

### Square flange straight jack (slotted contact)



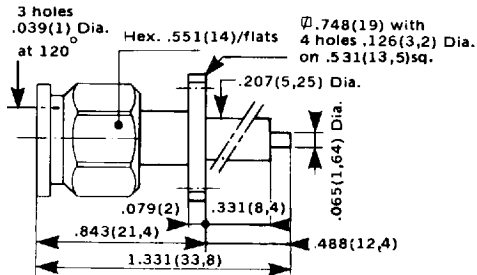
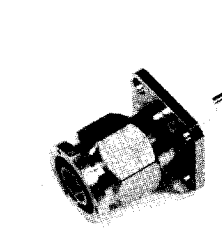
PART NUMBER	<b>R 143 427 700●</b>
Captive contact	YES
Panel drilling	P10 page 18

### Square flange straight plug (slotted contact)



PART NUMBER	<b>R 143 443 700●</b>
Captive contact	YES
Panel drilling	P9 page 18

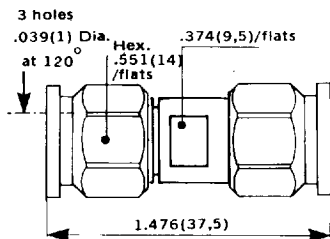
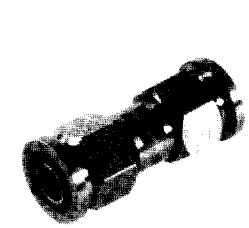
### Square flange straight plug (extended dielectric – stub contact)



PART NUMBER	<b>R 143 446 700●</b>	<b>R 143 447 700●</b>
Captive contact	YES	NO
Panel drilling	P8 page 18	

## IN SERIES ADAPTER

### Straight plug/plug



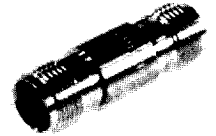
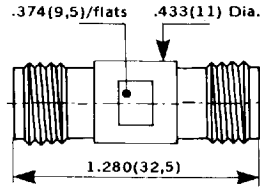
PART NUMBER	<b>R 143 703 700</b>
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● Manufactured upon request.

# TNC 18 GHz IN SERIES ADAPTERS

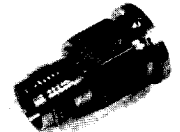
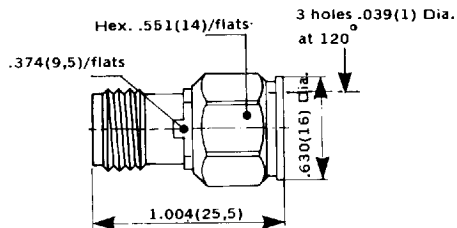
## Straight jack/jack

PART NUMBER **R 143 704 700**



## Straight jack/plug

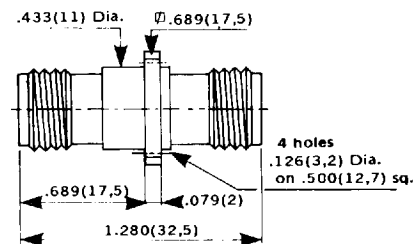
PART NUMBER **R 143 705 700**



## Square flange straight jack/jack

PART NUMBER **R 143 710 700**

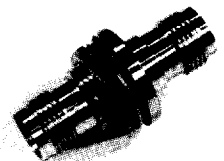
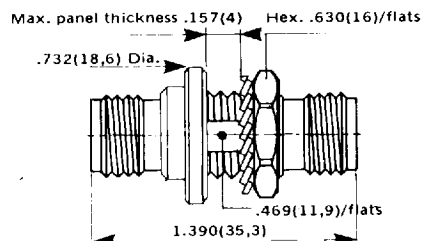
Panel drilling P11 page 18



## Bulkhead panel sealed straight jack/jack

PART NUMBER **R 143 730 700**

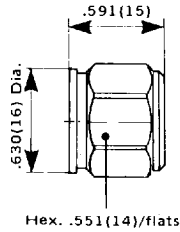
Panel drilling P6 page 18



# TNC 18 GHz

## CAP

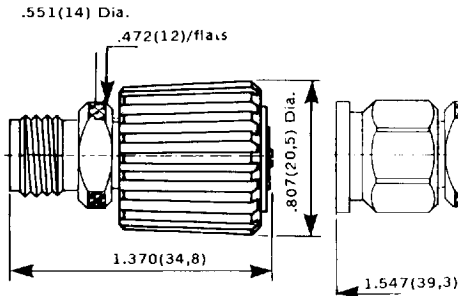
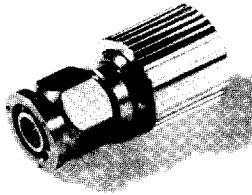
Plug short circuit cap



PART NUMBER	<b>R 143 850 700●</b>
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## BETWEEN SERIES ADAPTER

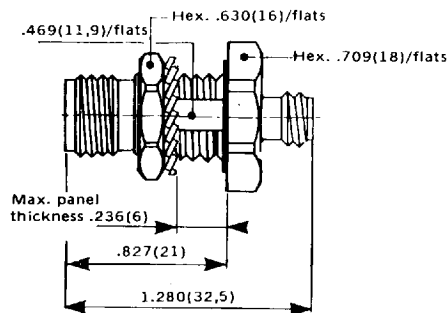
APC7® – TNC 18 GHz



PART NUMBER	<b>R 191 017 700</b>	<b>R 191 019 700</b>
Type	Plug	Jack
Figure	2	1

APC7® is a registered trade mark of Amphenol

Bulkhead panel sealed SMA 3.5 – TNC 18 GHz jack/jack

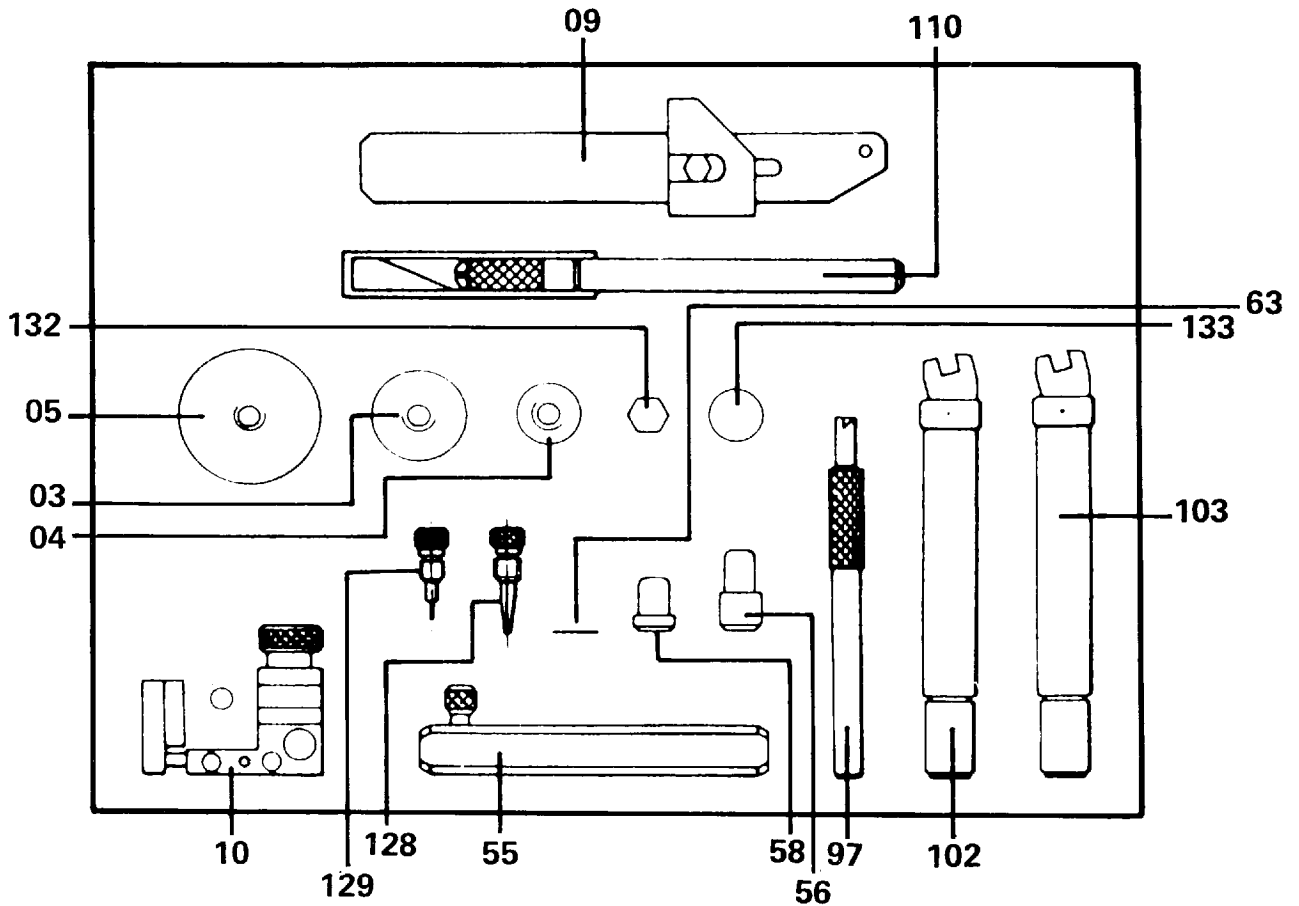


PART NUMBER	<b>R 191 316 700</b>
Panel drilling	P11 page 18

● Manufactured upon request.

# TNC 18 GHz

## TNC 18 GHz ASSEMBLY TOOL KIT



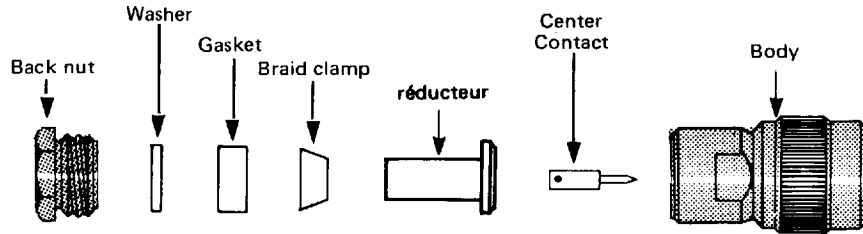
### TOOL KIT TNC 18 GHz (PART NUMBER : R 282 122 000)

(03)	730.11.050	Bending form	(97)	731.22.010	Milling tool
(04)	730.11.060	Bending form	(102)	731.80.000	Torque wrench
(05)	730.11.070	Bending form	(103)	731.80.010	Torque wrench
(09)	730.11.000	Bending tool	(110)	730.22.000	Scalpel
(10)	730.15.021	Soldering jig	(128)	730.40.403	Positioning jig
(55)	764.49.010	Gauge holder	(129)	730.40.393	Positioning jig
(56)	731.20.020	Gauge	(132)	731.60.000	Tightening jig
(58)	731.20.010	Gauge	(133)	731.40.030	Positioner
(63)	730.15.190	Shim			



# ASSEMBLY INSTRUCTIONS

## M01



### CONNECTORS

R 143 052 000  
R 143 337 000

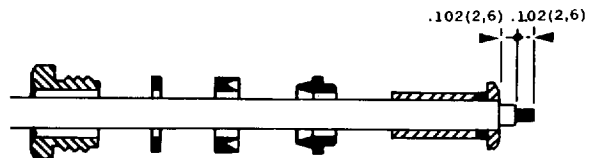
1-1 Strip cable.

2-1 Fit back nut, washer, gasket and braid clamp, reducing adaptor.  
2-2 Strip off the dielectric.

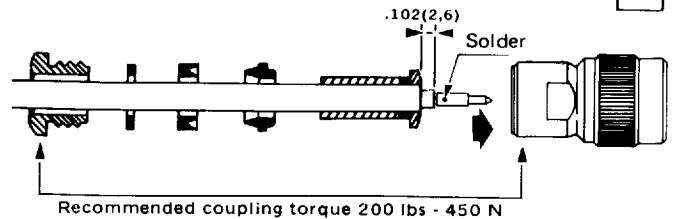
3-1 Solder contact.  
3-2 Mount assembly into body.



1



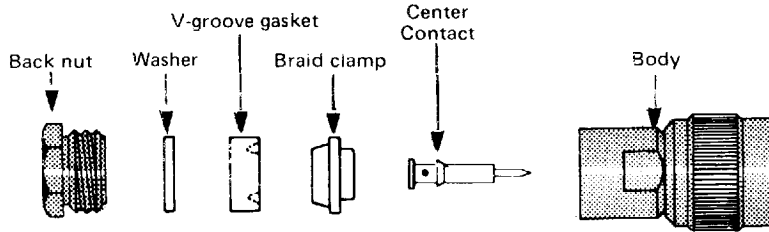
2



3

# ASSEMBLY INSTRUCTIONS

# M02 M08



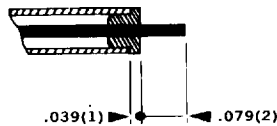
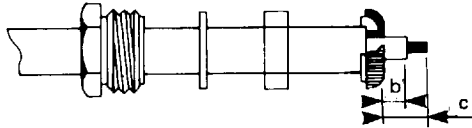
Stripping inch (mm)	a	b	c
<b>M 02</b>	.275(7)	.118(3)	.216(5.5)
<b>M 08</b>	.354(9)	.039(1)	.157(4)

50Ω CONNECTORS		75Ω CONNECTORS
<b>M 02</b>	<b>M 08</b>	<b>M 02</b>
R 143 008 000	R 143 018 000	R 144 329 000
R 143 012 000	R 143 018 500	
R 143 156 000		
R 143 207 000		
R 143 210 000		
R 143 258 000		
R 143 325 000		

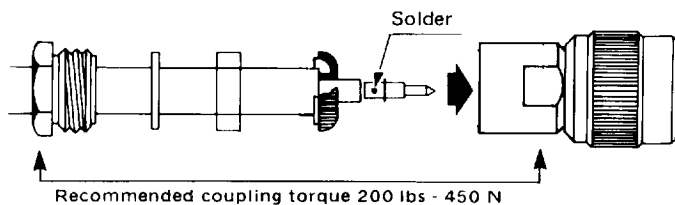
1



2



3



1-1 Strip cable.

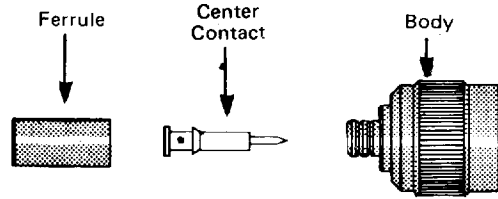
- 2-1 Fit back nut, washer, gasket and cable clamp.
- 2-2 Fold braid over clamp and trim.
- 2-3 Trim dielectric.

**NOTE :** For air-spaced cables type RG 62 A/U, reduce dimension "b" by 1 mm.  
Push the insulating spacer into the dielectric.

- 3-1 Solder contact.
- 3-2 Mount assembly into body.

# ASSEMBLY INSTRUCTIONS

## M03

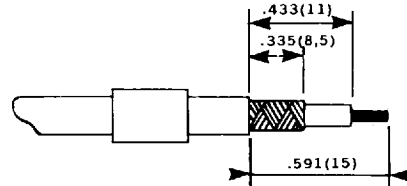


50Ω CONNECTORS	TOOLING	75Ω CONNECTORS	TOOLING
<b>R 143 082 000</b> <b>R 143 082 161</b> <b>R 143 182 000</b> <b>R 143 332 161</b>	<b>RADIALL crimp tool</b> <b>R 282 223 000</b> or RADIALL crimp tool + RADIALL jaw <b>R 282 293 000</b> <b>R 282 235 011</b>	<b>R 144 085 000</b> <b>R 144 085 161</b> <b>R 144 334 000</b> <b>R 144 334 161</b>	<b>RADIALL crimp tool</b> <b>R 282 223 000</b> or RADIALL crimp tool + RADIALL jaw <b>R 282 293 000</b> <b>R 282 235 013</b>
	or BUCHANAN crimp tool <b>612 648</b> + BUCNANAN jaw <b>612 700</b>		or BUCHANAN crimp tool <b>612 648</b> + BUCNANAN jaw <b>600 195</b>
cable : .197 (5) dia. ; Hex : braid .212 (5.40) ; core .068 (1.73)		cable : .236 (6) dia. ; Hex : braid .255 (6.48) ; core .068 (1.73)	

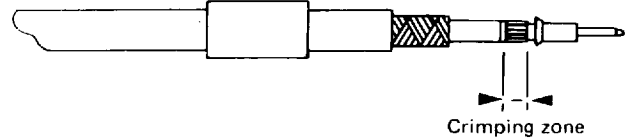
- 1-1 Slide ferrule on cable.
- 1-2 Strip cable.

- 2-1 Crimp the contact.
- 2-2 Spread out the braid.

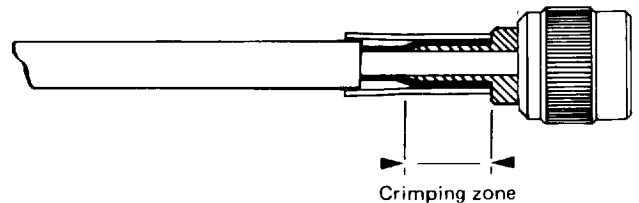
- 3-1 Fit body under braid.
- 3-2 Crimp the ferrule.



1



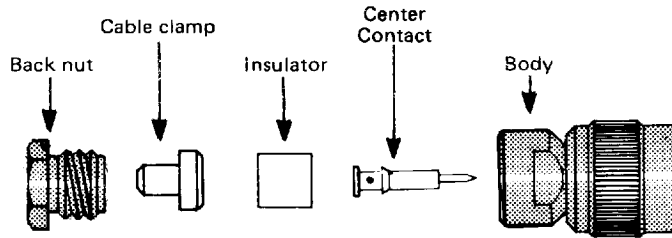
2



3

# ASSEMBLY INSTRUCTIONS

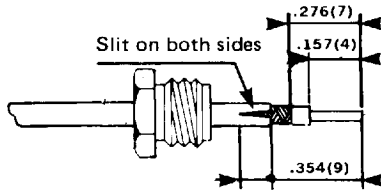
# M04



## CONNECTORS

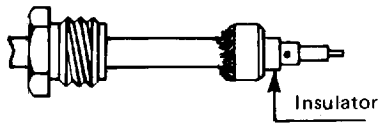
R 143 004 000  
 R 143 254 000  
 R 143 324 000  
 R 143 324 410

1



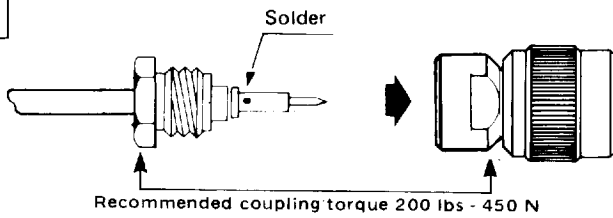
- 1-1 Slide back nut onto cable.
- 1-2 Strip cable.
- 1-3 Slit the sheath (optional)

2



- 2-1 Slide the braid clamp between dielectric and braid.
- 2-2 Trim braid to top of cable clamp.
- 2-3 Trim dielectric.
- 2-4 Fit assembly into back nut.

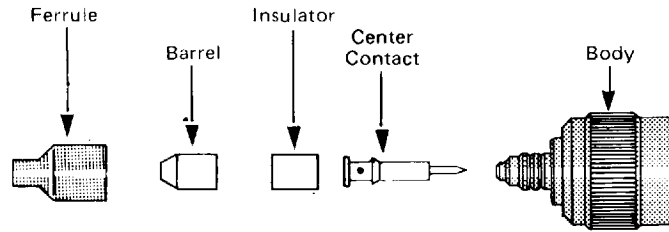
3



- 3-1 Solder contact.
- 3-2 Mount assembly into body.

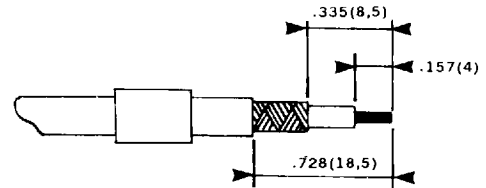
# ASSEMBLY INSTRUCTIONS

## M05



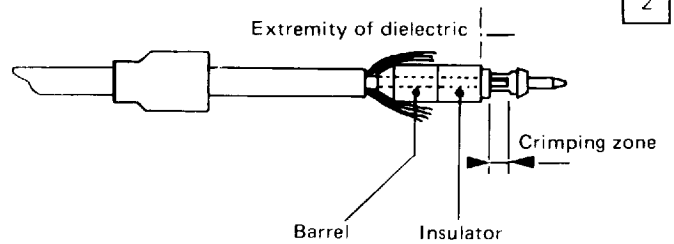
CONNECTORS	TOOLING	
R 143 075 000 R 143 075 161 R 143 181 000 R 143 331 161	<b>RADIALL crimp tool</b>	<b>R 282 223 000</b>
	or RADIALL crimp tool + RADIALL jaw	<b>R 282 293 000</b> <b>R 282 235 011</b>
	or BUCHANAN crimp tool + BUCNANAN jaw	<b>612 648</b> <b>612 700</b>
cable : .102 (2.6) dia. ; Hex : braid .212 (5.40) ; core .068 (1.73)		

- 1-1 Slide ferrule on cable.  
1-2 Strip cable.



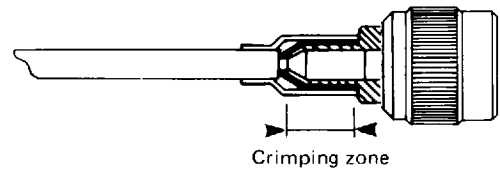
1

- 2-1 Fit barrel and insulator.  
2-2 Crimp the contact.



2

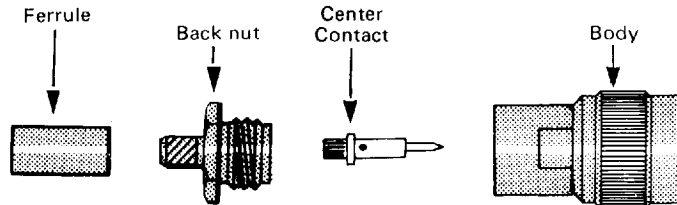
- 3-1 Fit body under braid.  
3-2 Crimp the ferrule.



3

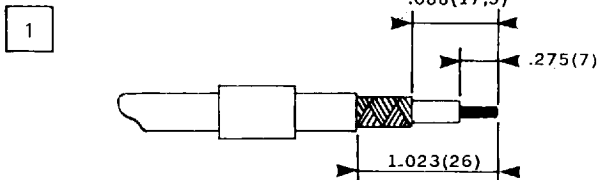
# ASSEMBLY INSTRUCTIONS

# M06

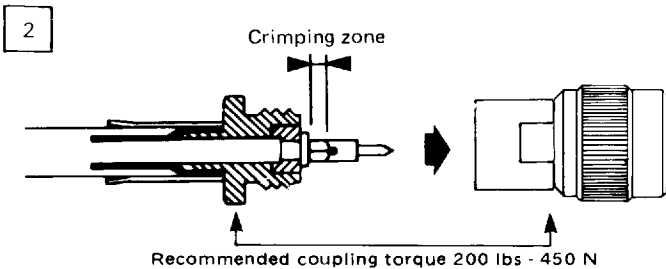


The center contact comes mounted on the back nut.

CONNECTORS	TOOLING	CONNECTORS	TOOLING
R 143 074 000 R 143 328 000	RADIALL crimp tool or RADIALL crimp tool + RADIALL jaw	R 143 072 000 R 143 073 000	RADIALL crimp tool or RADIALL crimp tool + RADIALL jaw
	or BUCHANAN crimp tool + BUCNANAN jaw		or BUCHANAN crimp tool + BUCNANAN jaw
R 282 223 000 R 282 293 000 R 282 235 013 612 648 600 195		R 282 223 000 R 282 293 000 R 282 235 011 612 648 612 700	
cable : .236 (6) dia. ; Hex : braid .255 (6.48) ; core .068 (1.73)		cable : .197 (5) dia. ; Hex : braid .212 (5.40) ; core .068 (1.73)	



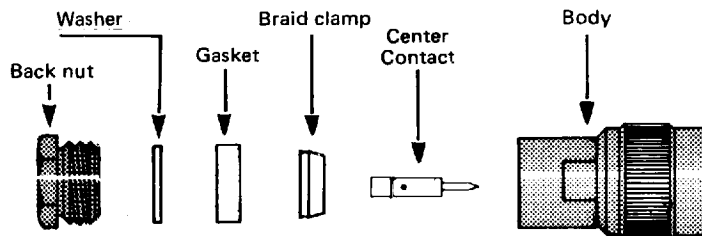
- 1-1 Slide ferrule on cable.
- 1-2 Strip cable.
- 1-3 Spread out the braid.



- 2-1 Fit back nut on dielectric.
- 2-2 Crimp the ferrule.
- 2-3 Crimp the contact.
- 2-4 Mount assembly into body.

# ASSEMBLY INSTRUCTIONS

## M07

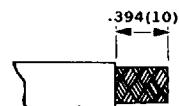


### CONNECTORS

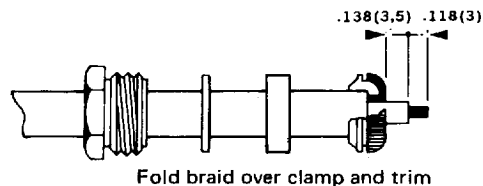
R 143 007 161  
R 144 017 000

Stripping inch (mm)	a	b	c
R 143 007 161	.275(7)	.118(3)	.098(2.5)
R 144 017 000	.393(10)	.138(3.5)	.118(3)

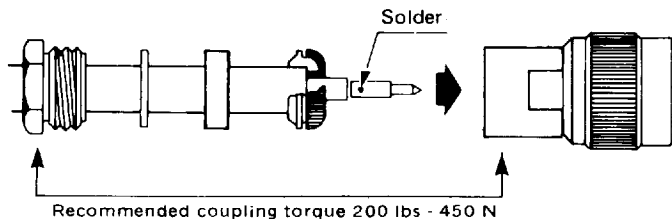
1-1 Strip cable.



- 2-1 Fit back nut, washer, gasket and braid clamp.
- 2-2 Fold braid over clamp and trim.
- 2-3 Trim dielectric.

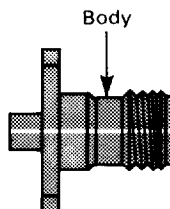
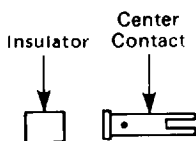


- 3-1 Solder the contact.
- 3-2 Mount assembly into body.



# ASSEMBLY INSTRUCTIONS

## M09

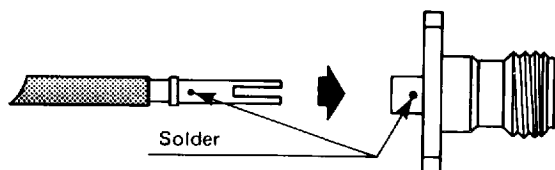


CONNECTORS	TOOLING
<b>R 143 257 440</b>	Soldering tweezers (100 or 250 W) or 30 W soldering iron Solder 356°F (180°C) (Pb + Ag) .019 (0.5) dia.

1



2



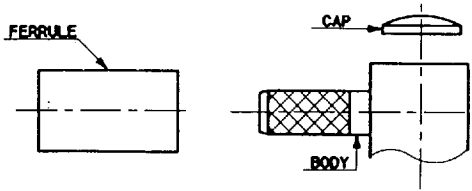
1-1 Strip off the jacket with the dielectric.

- 2-1 Fit insulator.
- 2-2 Solder center contact.
- 2-4 Mount assembly into body.



# ASSEMBLY INSTRUCTIONS

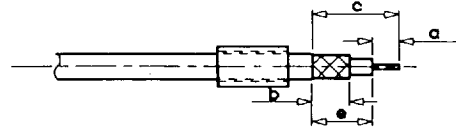
## M10



CONNECTORS	TOOLING
<b>R 143 181 161</b>	<b>RADIALL crimp tool R 282 211 000</b> Hex. : .128 (3.25) (braid) or crimp tool M 22520/5-01 + jaw M 22520/5-03
<b>R 143 182 161</b>	<b>RADIALL crimp tool R 282 223 000</b> Hex. : .212 (5.40) (braid) or crimp tool M 22520/5-01 + jaw M 22520/5-11

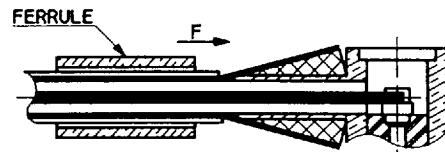
Stripping inch (mm)	a	b	c	e
<b>R 143 181 161</b>	.098(2.5)	.256(6.5)	.630(16)	.531(13.5)
<b>R 143 182 161</b>	.079(2)	.295(7.5)	.630(16)	.551(14)

- 1-1 Slide onto the cable the ferrule.
- 1-2 Strip the cable.



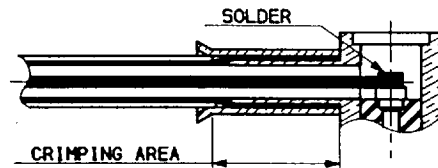
1

- 2-1 Fan the braid.
- 2-2 Push connector body under the braid.
- 2-3 Slide the ferrule on the braid (in direction F).



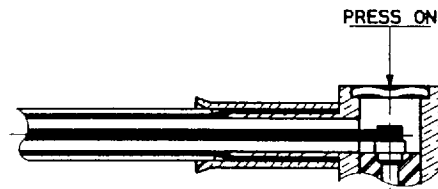
2

- 3-1 Crimp the ferrule.
- 3-2 Solder inner conductor.



3

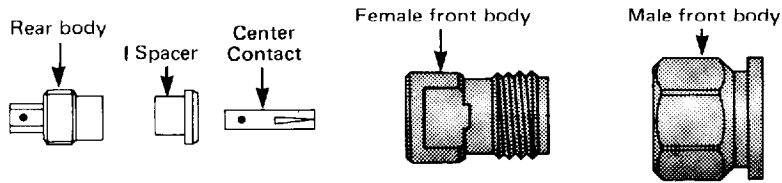
- 4-1 Place the cap.
- 4-2 Press cap flush or slightly below surface of body assembly.



4

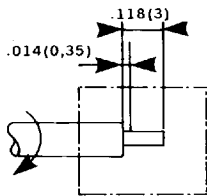
# ASSEMBLY INSTRUCTIONS

# M11

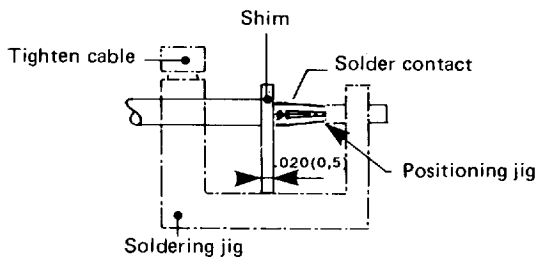


CONNECTORS	TOOLING
	<b>Tool kit R 282 122 000</b>
	shim <b>63</b>
<b>R 143 051 700</b>	soldering jig <b>10</b>
<b>R 143 227 700</b>	positioner <b>133</b>
<b>R 143 273 700</b>	gauges <b>55-58</b>
<b>R 143 321 700</b>	positioning jig <b>128</b>
	scalpel <b>110</b>
	milling tool <b>97</b>
	tightening jig (R 143 051 700) <b>132</b>
	torque wrench <b>102</b>
	soldering tweezers 250 W

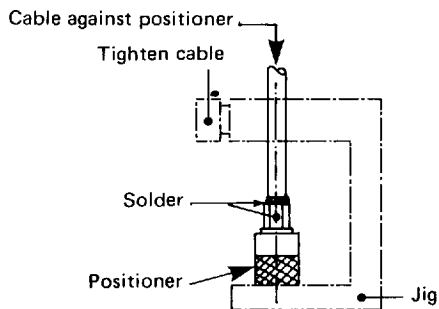
1



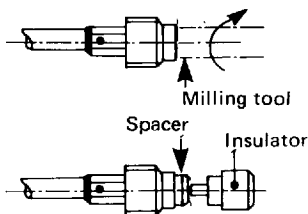
2



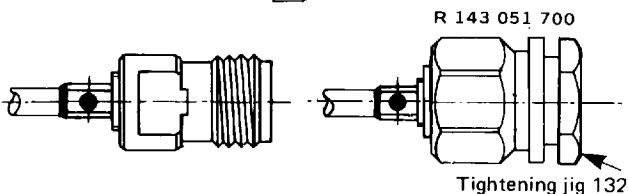
3



4



5



- 1-1 Strip core.
- 1-2 Cut the dielectric.
- 1-3 Remove burrs.

- 2-1 Solder center contact.  
ATTENTION : dim. .019 (0.5).

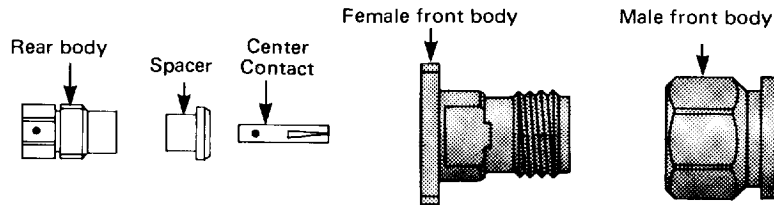
- 3-1 Clean the cable.
- 3-2 Screw positioner against solder barrel.
- 3-3 Mount cable against positioner.
- 3-4 Solder barrel to semi-rigid cable.

- 4-1 Trim dielectric flush to semi-rigid copper.

- 5-1 Fit spacer on barrel.
- 5-2 Fit connector on barrel and tighten with torque wrench **102**.  
Tightening torque : 17.4 inch pound (200 N.cm).
- 5-3 For connector **R 143 051 700**, use tightening jig **132**.

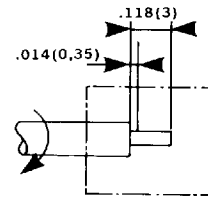
# ASSEMBLY INSTRUCTIONS

## M12



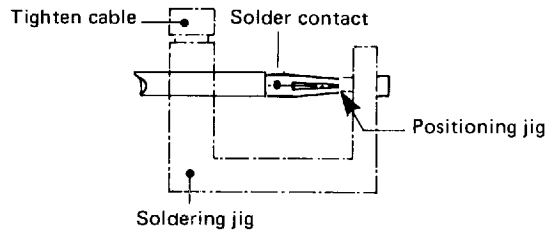
CONNECTORS	TOOLING
<b>R 143 054 700</b>	<b>Tool kit R 282 122 000</b>
<b>R 143 228 700</b>	soldering jig <b>10</b>
<b>R 143 274 700</b>	gauges <b>55-56</b>
<b>R 143 322 700</b>	positioning jig <b>128</b>
	scalpel <b>110</b>
	milling tool <b>97</b>
	tightening jig (R 143 054 700) <b>132</b>
	torque wrench <b>103</b>
	soldering tweezers 250 W

- 1-1 Strip core.
- 1-2 Cut the dielectric.
- 1-3 Remove burrs.



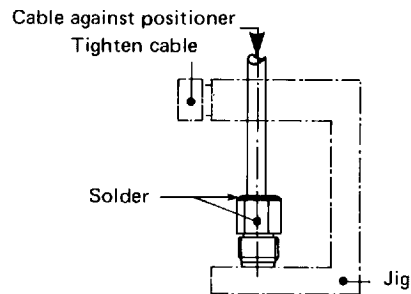
1

- 2-1 Solder center contact. (against dielectric).



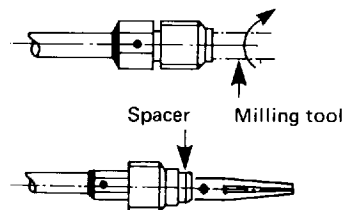
2

- 3-1 Clean the cable.
- 3-2 Fit cable against solder barrel.
- 3-3 Solder barrel to semi-rigid cable.



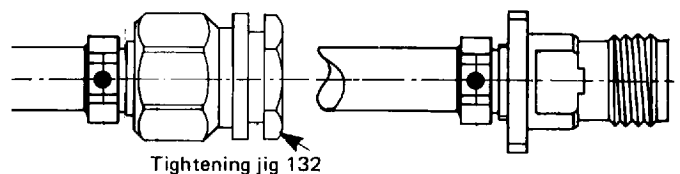
3

- 4-1 Trim dielectric flush to semi-rigid copper.



4

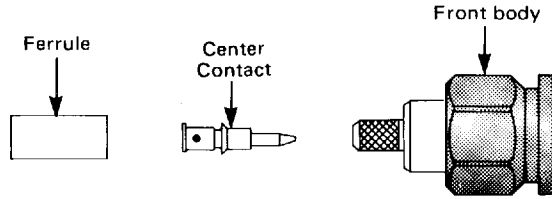
- 5-1 Fit spacer on barrel and insulator on the pin.
- 5-2 Fit connector on barrel and tighten with torque wrench **103**.  
Tightening torque : 17.4 inch pounds (200 N.cm).
- 5-3 For connector **R 143 054 700**, use tightening jig **132**.



5

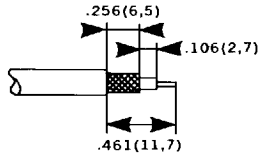
# ASSEMBLY INSTRUCTIONS

## M13



CONNECTORS	TOOLING
<b>R 143 082 700</b> <b>R 143 292 700</b>	<b>RADIALL crimp tool</b> <b>R 282 223 000</b> Hex. contact : .068 (1.73) Hex. ferrule : .212 (5.4)

1



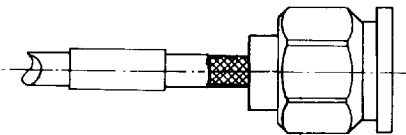
- 1-1 Strip cable.
- 1-2 Open out the braid.

2



- 2-1 Solder or crimp center contact.

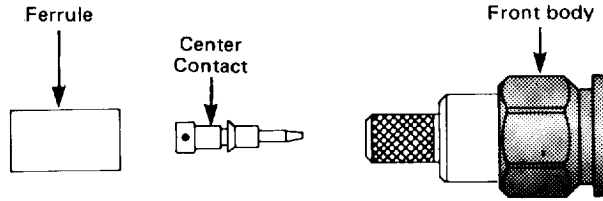
3



- 3-1 Fit cable into body.
- 3-2 Crimp the ferrule.

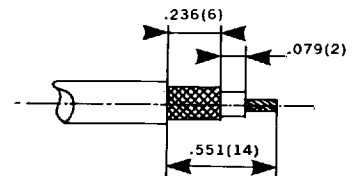
# ASSEMBLY INSTRUCTIONS

## M14



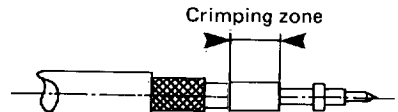
CONNECTORS	TOOLING
R 143 089 700	<b>RADIALL crimp tool</b> R 282 231 000 Hex. contact : .100 (2.54) Hex. ferrule : .415 (10.54)

1-1 Strip cable.



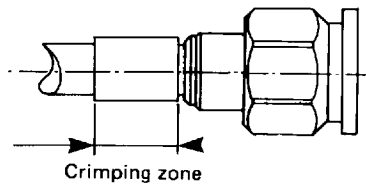
1

2-1 Fit and crimp center contact.



2

- 3-1 Insert contact into body.
- 3-2 Bring the contact up against dielectric.
- 3-3 Crimp the ferrule.



3

FLEXIBLE CABLES				
.102 (2.6) / 50Ω	.102 (2.6) / 75Ω	.197 (5) / 50Ω S. Scr.	.197 (5) / 50Ω D. Scr.	.236 (6) / 75Ω
RG 174 A/U RG 188 A/U KX 3B KX 22A	RG 179 B/U RG 187 A/U	RG 58 C/U RG 141 A/U RG 303 /U KX 15	RG 142 B/U RG 223 /U RG 400 /U KX 23	RG 59 B/U RG 140 /U KX 6A KX 25 KX 52 KX 53
.236 (6) / 93Ω	.315 (8) / 75Ω	.393 (10) / 50Ω	.433 (11) / 50Ω	SEMI-RIGID CABLES
RG 62 B/U RG 71 B/U	RG 6 A/U KX 50 KX 51	RG 213 /U RG 215 /U KX 4	RG 214 /U RG 225 /U KX 13 KX 24	.085" .141" .250"

## CABLES AND CORRESPONDING CONNECTORS

### FLEXIBLE CABLES TNC 50 Ω – TNC 75 Ω

CABLES	CONNECTOR DESCRIPTION	P/N	PAGE	
.102 (2.6) 50 + 75 Ω	Cable clamp type plug	R 143 004 000	6	
	Cable clamp type jacks	R 143 254 000	7	
		R 143 324 000	7	
	Crimp type plugs	R 143 324 410	7	
		R 143 075 000	8	
		R 143 075 161	16	
		R 143 181 000	8	
		R 143 181 161	16	
	Crimp type jack	R 143 331 161	17	
	.197 (5) 50 Ω	Cable clamp type plugs	R 143 007 161	17
			R 143 008 000	6
			R 143 156 000	6
		Cable clamp type jacks	R 143 207 000	7
R 143 258 000			7	
R 143 325 000			7	
R 143 072 000			8	
Crimp type plugs		R 143 073 000	8	
		R 143 082 000	8	
		R 143 082 161	16	
		R 143 182 000	8	
		R 143 182 161	16	
Crimp type jack		R 143 332 161	17	
.236 (6) 75 + 93 Ω	Cable clamp type plug	R 143 012 000	6	
		R 143 210 000	7	
	Cable clamp type jacks	R 144 329 000	15	
		R 143 074 000	8	
		R 144 085 000	15	
	Crimp type plugs	R 144 085 161	16	
		R 143 328 000	8	
	Crimp type jacks	R 144 334 000	15	
		R 144 334 161	15	
	.315 (8) 75 Ω	Cable clamp type plug	R 144 017 000	15
.393 (10) .433 (11) 50 Ω	Cable clamp type plug	R 143 018 000	6	
		R 143 018 500	6	

### SEMI-RIGID CABLES TNC 50 Ω

CABLES	CONNECTOR DESCRIPTION	P/N	PAGE
.085	Straight flange jack	R 143 257 440	9
.141	Straight plug	R 143 052 000	9
	Straight bulkhead jack with panel seal	R 143 337 000	9

### FLEXIBLE CABLES TNC 18 GHz 50 Ω

CABLES	CONNECTOR DESCRIPTION	P/N	PAGE
.197 (5) 50 Ω	Crimp type plug	R 143 082 700	21
	Crimp type jack	R 143 292 700	21
.433 (11) 50 Ω	Crimp type plug	R 143 089 700	21

### SEMI-RIGID CABLES TNC 18 GHz 50 Ω

CABLES	CONNECTOR DESCRIPTION	P/N	PAGE
.141	Straight plug	R 143 051 700	20
	Straight jack	R 143 227 700	20
	Straight flange jack	R 143 273 700	20
	Straight bulkhead jack	R 143 321 700	20
.250	Straight plug	R 143 054 700	20
	Straight jack	R 143 228 700	20
	Straight flange jack	R 143 274 700	20
	Straight bulkhead jack	R 143 322 700	20

## DIMENSIONS OF APPLICABLE CABLES

### DIMENSION TABLE FOR APPLICABLE COAXIAL CABLES

The following table gives an indication of coaxial cable dimensions.  
For further details, refer to standards or cable manufacturer specifications.  
All dimensions are nominal or specified values

PART NUMBER	IMP Ω	DIAMETER in inch (mm)					CABLE GROUP
		CORE		DIELECTRIC	MAX SCREEN	JACKET	
		Composition	Nom. Dia.				
<b>MIL-C-17-F CABLES</b>							
RG 6A/U	75	single core	.028(0.72)	.185(4.70)	.264(6.70) D	.332(8.43)	.315 (8)/75
RG 11A/U	75	7 X .016(0.40)	.047(1.20)	.285(7.25)	.340(8.64) S	.405(10.29)	.394 (10)/75
RG 12A/U	75	7 X .016(0.40)*	.047(1.20)	.285(7.25)	.340(8.64) S	.474(12.06)	.394 (10)/75
RG 58C/U	50	19 X .007(0.18)	.035(0.89)	.116(2.95)	.150(3.81) S	.195(4.95)	.197 (5)/50
RG 59B/U	75	single core	.022(0.57)	.146(3.71)	.191(4.85) S	.242(6.15)	.236 (6)/75
RG 62B/U	93	single core	.025(0.64)	.146(3.71)	.191(4.85) S	.242(6.15)	.236 (6)/93
RG 63B/U	125	single core	.026(0.65)	.285(7.25)	.340(8.64) S	.405(10.29)	.394 (10)/125
RG 71B/U	93	single core	.025(0.64)	.146(3.71)	.208(5.28) D	.245(6.22)	.236 (6)/93
RG 140/U	75	single core	.025(0.64)	.146(3.71)	.176(4.47) S	.233(5.92)	.236 (6)/75
RG 141A/U	50	single core	.039(0.99)	.116(2.95)	.146(3.71) S	.190(4.83)	.197 (5)/50
RG 142B/U	50	single core	.037(0.94)	.116(2.95)	.171(4.34) D	.195(4.95)	.197 (5)/50
RG 144/U	75	7 X .018(0.45)	.053(1.35)	.285(7.25)	.330(8.38) S	.409(10.40)	.394 (10)/75
RG 165/U	50	7 X .031(0.80)	.094(2.40)	.285(7.25)	.340(8.64) S	.409(10.40)	.394 (10)/50
RG 174A/U	50	7 X .006(0.16)	.019(0.48)	.060(1.52)	.088(2.24) S	.110(2.79)	.102 (2.6)/50
RG 178B/U	50	7 X .004(0.10)	.012(0.30)	.033(0.84)	.054(1.37) S	.071(1.80)	.079 (2)/50
RG 179B/U	75	7 X .004(0.10)	.012(0.30)	.063(1.60)	.084(2.13) S	.100(2.54)	.102 (2.6)/75
RG 187A/U	75	7 X .004(0.10)	.012(0.30)	.063(1.60)	.084(2.13) S	.110(2.79)	.102 (2.6)/75
RG 188A/U	50	7 X .007(0.18)	.020(0.51)	.060(1.52)	.081(2.06) S	.110(2.79)	.102 (2.6)/50
RG 196A/U	50	7 X .004(0.10)	.012(0.30)	.033(0.84)	.054(1.37) S	.071(1.80)	.079 (2)/50
RG 213/U	50	7 X .030(0.75)	.089(2.25)	.285(7.25)	.340(8.64) S	.405(10.29)	.394 (10)/50
RG 214/U	50	7 X .030(0.75)	.089(2.25)	.285(7.25)	.360(9.14) D	.425(10.80)	.433 (11)/50
RG 215	50	7 X .030(0.75)	.089(2.25)	.285(7.25)	.340(8.64) S	.405(10.29)	.394 (10)/50
RG 216	75	7 X .016(0.40)	.047(1.20)	.285(7.25)	.360(9.14) D	.425(10.80)	.433 (11)/75
RG 223/U	50	single core	.035(0.89)	.116(2.95)	.176(4.47) D	.212(5.38)	.197 (5)/50
RG 225/U	50	7 X .031(0.80)	.094(2.40)	.285(7.25)	.360(9.14) D	.429(10.90)	.433 (11)/50
RG 303/U	50	single core	.037(0.94)	.116(2.95)	.146(3.71) S	.170(4.32)	.197 (5)/50
RG 400/U	50	19 X .007(0.18)	.039(0.99)	.116(2.95)	.171(4.34) D	.195(4.95)	.197 (5)/50
RG 401/U	50	single core	.064(1.62)	.209(5.31)	--	.250(6.35)	.250"
RG 402/U	50	single core	.036(0.92)	.117(2.98)	--	.141(3.58)	.141"
RG 405/U	50	single core	.020(0.51)	.066(1.68)	--	.086(2.20)	.085"

### NF-C 93-550 FLEXIBLE CABLES / NF-C 93551 SEMI-RIGID CABLES

KX 3B	50	7 X .006(0.16)	.019(0.48)	.059(1.50)	.088(2.23) S	.100(2.54)	.102 (2.6)/50
KX 4	50	7 X .029(0.75)	.089(2.25)	.285(7.25)	.340(8.64) S	.405(10.29)	.394 (10)/50
KX 6A	75	7 X .008(0.20)	.024(0.60)	.145(3.70)	.191(4.85) S	.240(6.10)	.236 (6)/75
KX 8	75	7 X .016(0.40)	.047(1.20)	.285(7.25)	.340(8.64) S	.405(10.29)	.394 (10)/75
KX 13	50	7 X .029(0.75)	.089(2.25)	.285(7.25)	.360(9.14) D	.425(10.80)	.433 (11)/50
KX 15	50	19 X .007(0.18)	.035(0.89)	.116(2.95)	.150(3.81) S	.195(4.95)	.197 (5)/50
KX 21A	50	7 X .004(0.10)	.012(0.30)	.034(0.87)	.054(1.37) S	.071(1.80)	.079 (2)/50
KX 22A	50	7 X .007(0.18)	.020(0.51)	.059(1.50)	.081(2.06) S	.098(2.50)	.102 (2.6)/50
KX 23	50	7 X .013(0.34)	.040(1.02)	.116(2.95)	.171(4.34) D	.201(5.10)	.197 (5)/50
KX 24	50	7 X .031(0.80)	.094(2.40)	.285(7.25)	.360(9.14) D	.429(10.90)	.433 (11)/50
KX 25	75	7 X .009(0.23)	.028(0.71)	.145(3.70)	.176(4.47) S	.232(5.90)	.236 (6)/75
KX 30	93	single core	.025(0.64)	.146(3.70)	.191(4.85) S	.242(6.15)	.236 (6)/93
KX 50	75	single core	.025(0.64)	.146(3.70)	.264(6.70) T	.327(8.30)	.315 (8)/75
KX 51	75	7 X .009(0.23)	.026(0.67)	.146(3.70)	.264(6.70) T	.327(8.30)	.315 (8)/75
KX 52	75	single core	.025(0.64)	.146(3.70)	.185(4.70) S	.240(6.10)	.236 (6)/75
KX 53	75	7 X .009(0.23)	.026(0.67)	.146(3.70)	.185(4.70) S	.240(6.10)	.236 (6)/75
KX 1	50	single core	.020(0.51)	.065(1.67)	--	.086(2.18)	.085"
KX 2	50	single core	.036(0.91)	.117(2.98)	--	.141(3.58)	.141"
KX 3	50	single core	.064(1.63)	.210(5.33)	--	.250(6.35)	.250"

S : 1 Braid ; D : 2 Braids ; T : 3 Braids

\* Armoured

P/N	PAGE
<b>TNC 50 Ω</b>	
R 143 004 000	6
R 143 008 000	6
R 143 012 000	6
R 143 018 000	6
R 143 018 500	6
R 143 052 000	9
R 143 072 000	8
R 143 073 000	8
R 143 074 000	8
R 143 075 000	8
R 143 082 000	8
R 143 156 000	6
R 143 181 000	8
R 143 182 000	8
R 143 207 000	7
R 143 210 000	7
R 143 254 000	7
R 143 257 440	9
R 143 258 000	7
R 143 324 000	7
R 143 324 410	7
R 143 325 000	7
R 143 328 000	8
R 143 337 000	9
R 143 404 000	10
R 143 405 000	10
R 143 406 000	10
R 143 420 000	12
R 143 430 000	10
R 143 431 000	10
R 143 432 000	10
R 143 440 000	10
R 143 453 000	12
R 143 557 000	11
R 143 603 000	11
R 143 654 000	11
R 143 680 000	11
R 143 703 000	12
R 143 704 000	12
R 143 710 000	13
R 143 720 000	13
R 143 723 000	13
R 143 753 000	13
R 143 770 000	14
R 143 780 000	14
R 143 782 000	14
R 143 812 000	14

P/N	PAGE
<b>TNC 75 Ω</b>	
R 144 017 000	15
R 144 085 000	15
R 144 329 000	15
R 144 334 000	15
P/N	PAGE
<b>TNC 18 GHz</b>	
R 143 051 700	20
R 143 054 700	20
R 143 082 700	21
R 143 089 700	21
R 143 227 700	20
R 143 228 700	20
R 143 273 700	20
R 143 274 700	20
R 143 292 700	21
R 143 321 700	20
R 143 322 700	20
R 143 410 700	21
R 143 410 710	21
R 143 412 700	21
R 143 413 700	21
R 143 427 700	22
R 143 443 700	22
R 143 446 700	22
R 143 447 700	22
R 143 703 700	22
R 143 704 700	23
R 143 705 700	23
R 143 710 700	23
R 143 730 700	23
R 143 850 700	24

### COMMERCIAL TNC

P/N	PAGE
R 143 007 161	17
R 143 075 161	16
R 143 082 161	16
R 143 181 161	16
R 143 182 161	16
R 143 331 161	17
R 143 332 161	17
R 143 563 161	17
R 143 574 161	17
R 143 720 161	18
R 143 723 161	18
R 144 085 161	16
R 144 334 161	17

P/N	PAGE
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### ADAPTERS TNC 18 GHz

R 191 017 700	24
R 191 019 700	24
R 191 316 700	24

### TOOL KIT TNC 18 GHz

R 282 122 000	25
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## BETWEEN SERIES ADAPTERS TNC AND TNC 18 GHz

P/N	BETWEEN SERIES ADAPTERS
R 191 017 000	TNC male APC 7®
R 191 017 700	TNC 18 GHz male APC 7®
R 191 019 000	TNC female APC 7®
R 191 019 700	TNC 18 GHz female APC 7®
R 191 309 000	TNC male SMA male
R 191 311 000	TNC female SMA male
R 191 313 000	TNC male SMA female
R 191 314 700	TNC 18 GHz male SMA female
R 191 315 000	TNC female SMA female
R 191 316 700	TNC 18 GHz female SMA female
R 191 365 000	TNC female SMA female flange
R 191 403 000	TNC female BNC male
R 191 405 000	TNC male BNC female
R 191 511 000	TNC male N female
R 191 513 000	TNC female N male
R 191 514 000	TNC female N female flange