

Description

A new high performance line of LMR cable connectors. Advanced communication systems have placed stringent performance requirements on connectors. Amphenol has designed BNC, SMA and TNC connectors to exceed the standard requirements. Only Amphenol brings you all three connectors designed for high performance LMR cable to insure you have the right product for that application. These connector series provide interconnect solutions inside and between instrument racks, between equipment rooms, antenna jumpers, and anywhere quality interconnections are required.

Features/Benefits

- TNC versions are MIL-C-39012 compatible
- Weatherproof design
- Crimp-solder termination
- Tarnish-resistant Nickel plating
- Allows mating with all TNC connectors
- Allows use in inclement weather
- Ensures easy installation
- Provides corrosion resistance

Applications

- AM and FM Broadcast
- CATV
- Cellular
- ESA Jumper
- ESMR
- HF Communications
- LMR
- Paging
- PCS
- Point-to-Point

BNC/TNC for Cable

Specifications	136
BNC	137
TNC	138

ELECTRICAL

Impedance	50 ohms
Frequency range	0-4 GHz 0-11 GHz.
Voltage rating	500 volts peak
Dielectric withstanding voltage	1,500 volts rms.
VSWR (0-4 GHz) Straight: Right Angle:	M39012 1.30 max M39012 1.35 max

NOTE: These characteristics are typical and may not apply to all connectors.

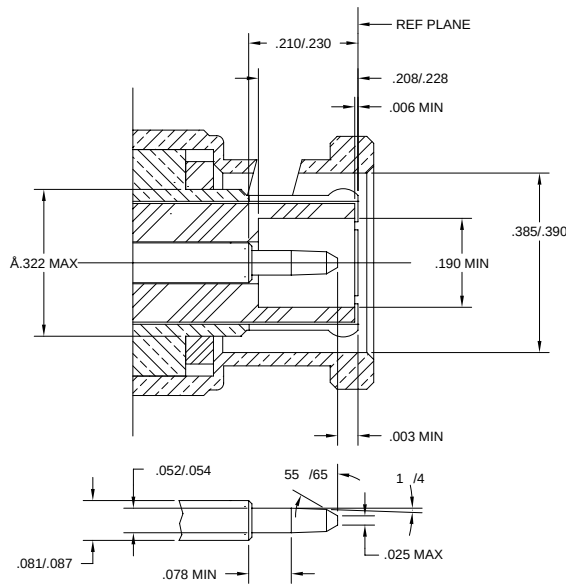
MATERIAL

Center contacts	Male, Brass Gold plated Female BeCu or Phosphor Bronze Gold plated
Other metal parts	Brass Nickel finish silver plated.
Insulators	Teflon
Crimp ferrule	Copper

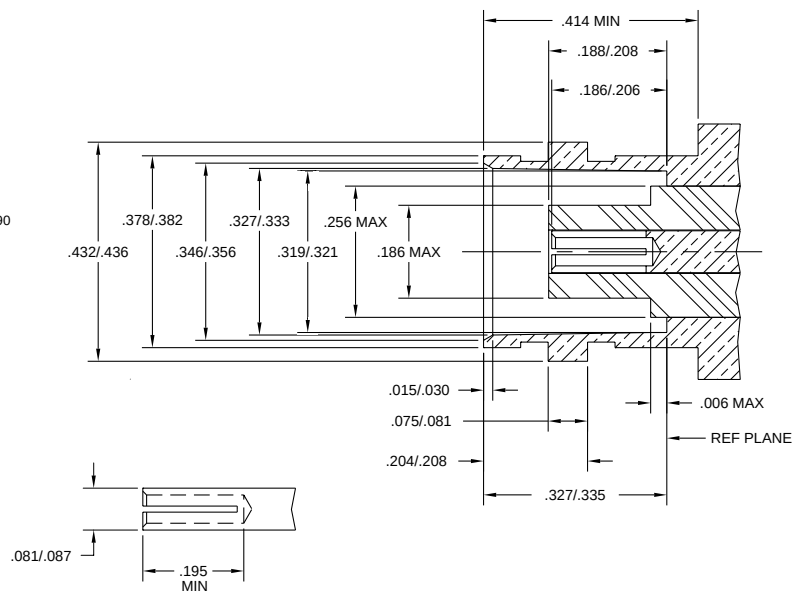
ENVIRONMENTAL

Temperature range	Teflon insulators -65°C to + 165°C
Shock	Mil-STD-202 Method 202
Vibration	Mil-STD-202 Method 204 (test Cond. D)
Moisture resistance	Mil-STD-202 Method 106
Corrosion	Mil-STD-202 Method 101 (test Cond. B)
Interface diameter M39012	Mil-STD-348 Series meets or exceeds the requirements for BNC and TNC

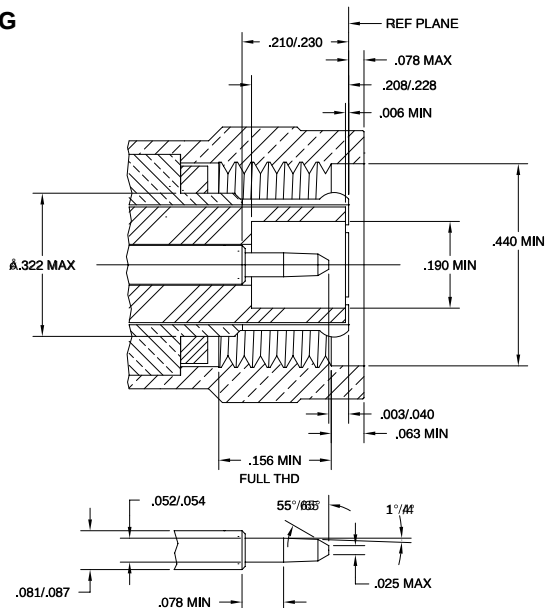
PLUG



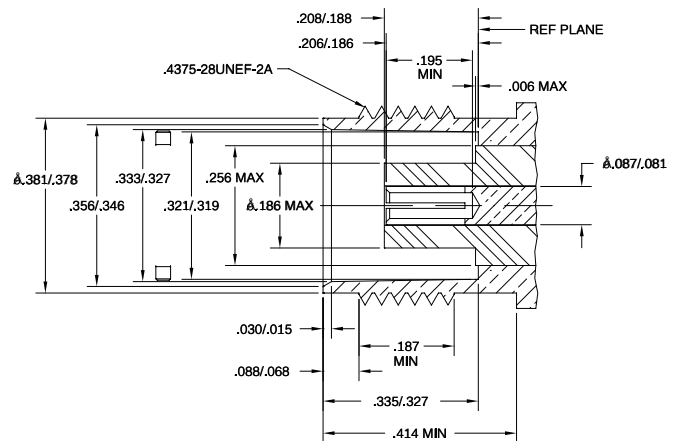
JACK

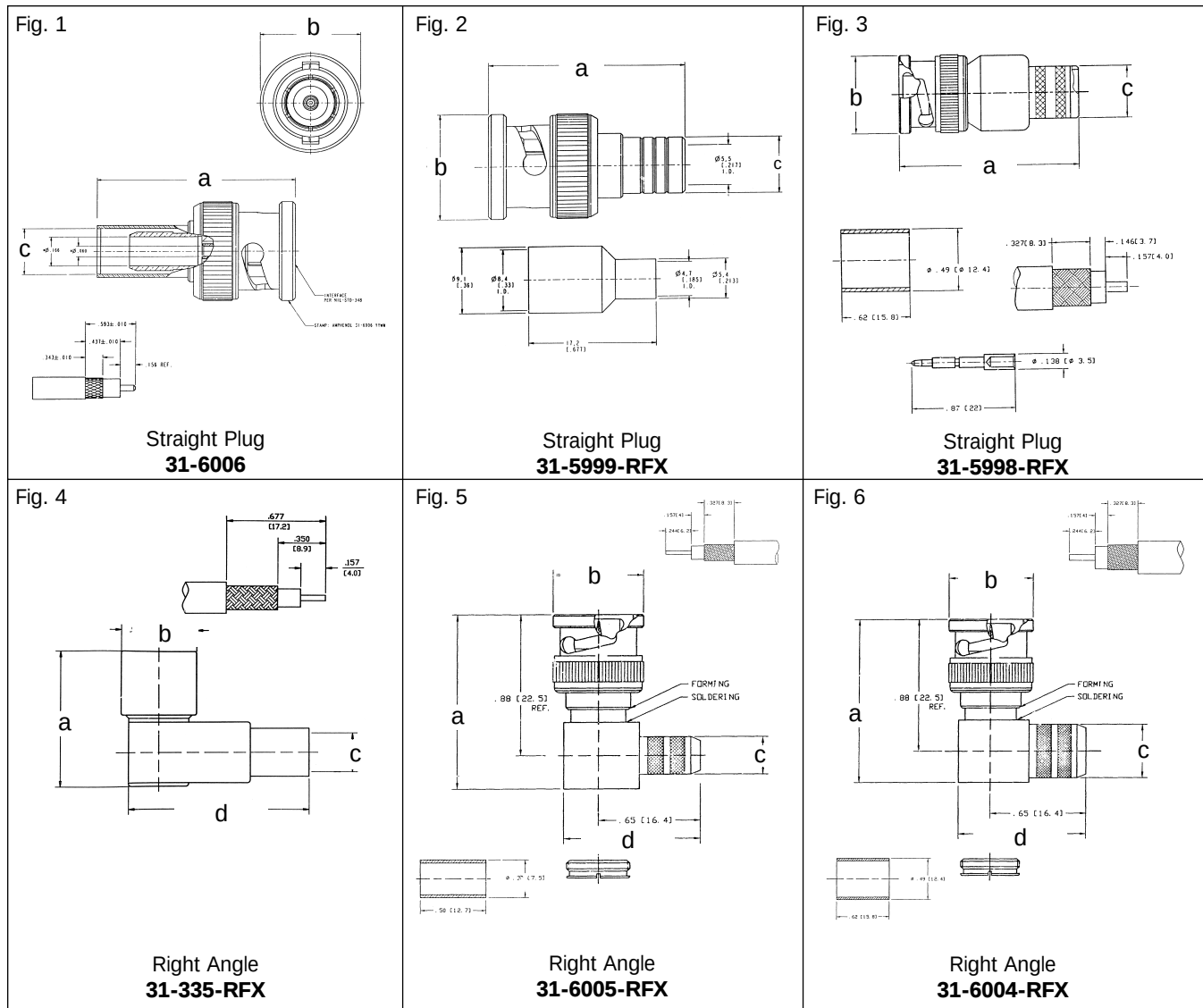


PLUG



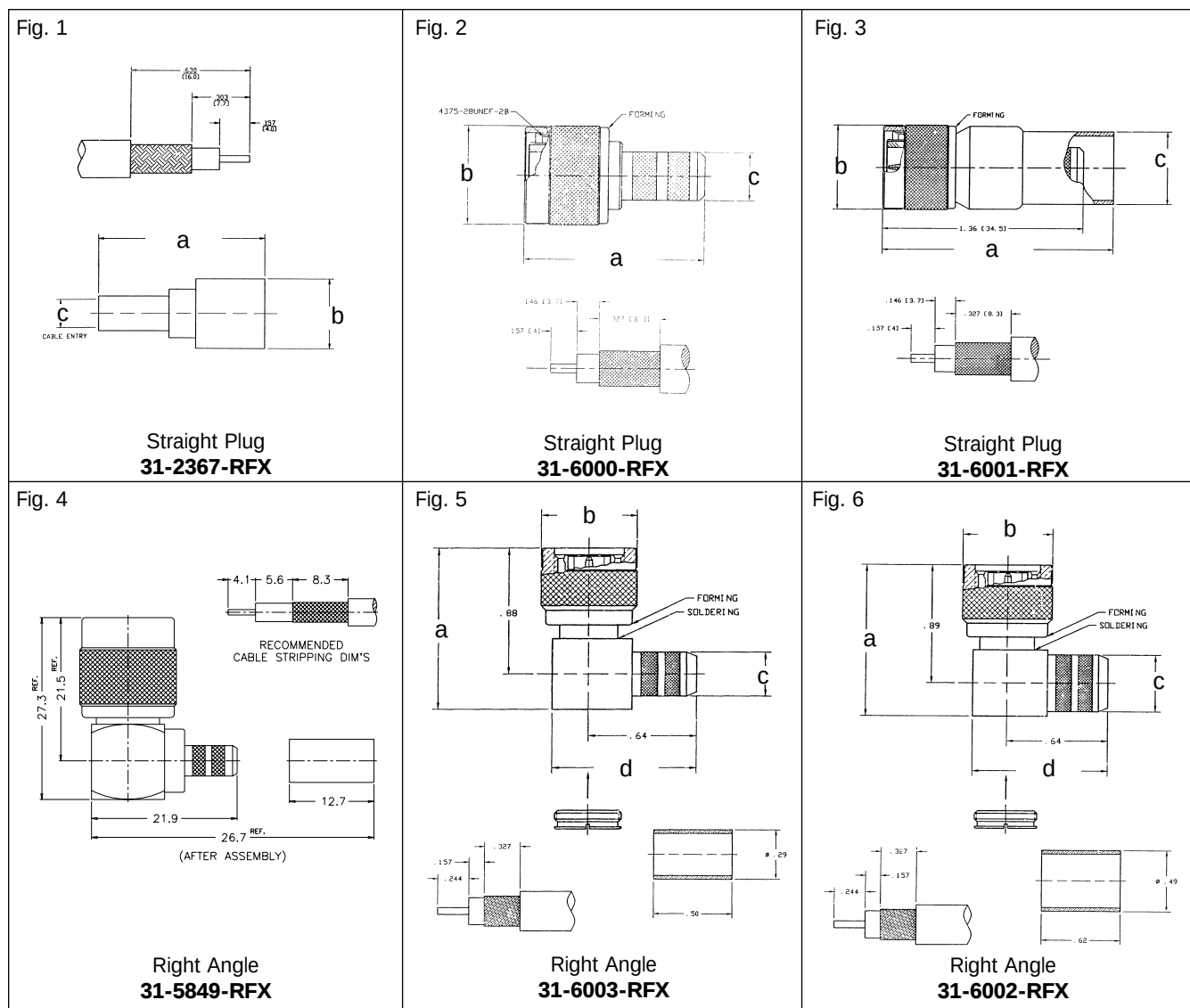
JACK





BNC PLUG - Straight & Right Angle

Style	Amphenol Cable	Times Cable	Belden Cable	a	b	c	d	CAI	Amphenol Part Number	Fig
Straight Plug	-	LMR200	RG 58	1.121	.563	.261	—	C36	31-6006	1
Straight Plug	TWB2401	LMR240	9258	1.039(26.4)	.563(14.3)	.303(7.7)	—	C36	31-5999-RFX	2
Straight Plug	TWB4001	LMR400	9913,9914	1.36(34.5)	.571(14.5)	.366(9.3)	—	C36	31-5998-RFX	3
Right Angle	-	LMR200	RG 58	1.07(21.3)	.571(14.5)	.210	.160(40.7)	C36	31-335-RFX	4
Right Angle	TWB2401	LMR240	9258	1.02(26)	.57(14.3)	.22(.56)	.86(21.9)	C36	31-6005-RFX	5
Right Angle	TWB4001	LMR400	9913, 9914	1.02(26)	.57(14.3)	.37(9.3)	.86(21.9)	C36	31-6004-RFX	6



TNC PLUG - Straight & Right Angle

Style	Times Cable	Belden Cable	a	b	c	d	CAI	Amphenol Part Number	Fig
Straight Plug	LMR200	RG 58	1.17(29.8)	.571(14.5)	.210	—	C36	31-2367-RFX	1
Straight Plug	LMR240	9258	.984(25.0)	.571(14.5)	.220(5.6)	—	C36	31-6000-RFX	2
Straight Plug	LMR400	9913,9914	1.67(42.4)	.571(14.5)	.49(12.4)	—	C36	31-6001-RFX	3
Right Angle	LMR200	RG 58	—	—	—	—	C36	31-5849-RFX	4
Right Angle	LMR240	9258	1.10	.57	.220	.86	C36	31-6003-RFX	5
Right Angle	LMR400	9913, 9914	1.10	.57	.37	.86	C36	31-6002-RFX	6