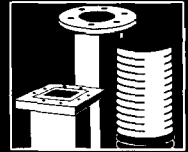


Microwave Transmission Lines



Self-Flaring. This patented* innovation results in simplified assembly, excellent electrical contact and high resistance to connector pull-off and twist-off. Each connector is designed for low VSWR up to the cut-off frequency of the cable.

Type "F" Flange. Most standard connectors used on air-dielectric cables and some unpressurized antenna feeds have air spaces (Figure 1) where moisture can collect if they are not pressurized. Because a small amount of moisture can seriously degrade VSWR and increase loss at microwave frequencies, these connectors are not suitable for use in an unpressurized system. To insure a completely void-free connection between the cable and an antenna, Andrew developed a special weatherproof "F" foam-filled feed input flange and the mating "F" connector (Figure 2).

* U. S. Patent 4,046,451.

Figure 1 - 7/8" EIA Flange Connection

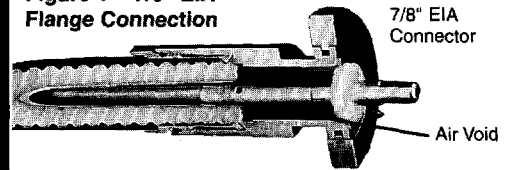
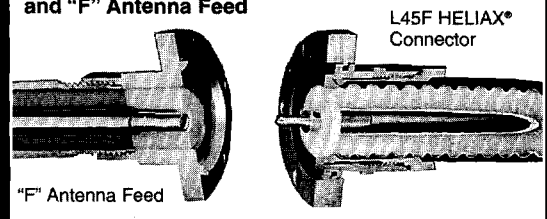


Figure 2 - "F" Flange and "F" Antenna Feed



Type No.	Frequency MHz	Length feet (m)	VSWR Max. (R.L.)
Type N Plug/Type N Plug Connectors			
L4P4-PNMNM-3	1427 - 1535	3 (0.9)	1.10 (26.4)
L4P4-PNMNM-6	1427 - 1535	6 (1.8)	1.10 (26.4)
L4P3-PNMNM-3	940 - 2700	3 (0.9)	1.12 (24.9)
L4P3-PNMNM-6	940 - 2700	6 (1.8)	1.12 (24.9)
48695A-3	2300 - 2700	3 (0.9)	1.10 (26.4)
48695A-6	2300 - 2700	6 (1.8)	1.10 (26.4)
L4P3-PNMNM-3	2300 - 2700	3 (0.9)	1.10 (26.4)
L4P3-PNMNM-6	2300 - 2700	6 (1.8)	1.10 (26.4)
7/8" EIA Flange/N Plug Connectors			
200834A-3	2500 - 2700	3 (0.9)	1.10 (26.4)
200834A-6	2500 - 2700	6 (1.8)	1.10 (26.4)
202638A-3	1700 - 2300	3 (0.9)	1.06 (30.7)
202638A-6	1700 - 2300	6 (1.8)	1.06 (30.7)
"F" Flange Male/"F" Flange Male Connectors			
L4P3-FMFM-3	1700 - 2300	3 (0.9)	1.15 (23.1)
L4P3-FMFM-6	1700 - 2300	6 (1.8)	1.15 (23.1)

Connectors and Components

Interface	For 1/2" LDF4P-50A	For 7/8" LDF5P-50A	For 1-1/4" LDF6P-50	For 1-5/8" LDF7P-50A	For 2-1/4" LDF12P-50A	Components
A N Plug (male), mates with UG-23	L4NM	L5NM	L6PNM*	L7PNM	-	-
B N Jack (female), mates with UG-21	L4NF	L5NF	L6PNF*	L7PNF	L12PNF	-
C "F" Flange (male), for attachment to "F" series antennas	L44F	L45F	L46F	L47F	-	-
D "F" Flange (female), use with jumper cables having "F" Flange (male) connectors.	209865	48041	-	201942	-	-
E 7/8" EIA Flange, includes inner Conductor, No gas barrier.	L44R	L45R	L46S*	L47S	-	-
F Adapter "F" Flange (female), Type N Jack (female). Allows testing of feeders terminated with "F" Flange male connectors.	-	-	-	-	-	104300-2
G Elbow, "F" Flange (male), "F" Flange (female)	-	-	-	-	-	203361

* For pressure port and pipe plug, order type number L6PNM-PR or L6PNF-PR

