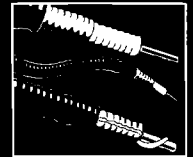


HELIX® Coaxial Cables



LDF6-50

Cable Ordering Information

Description	Type No.
Standard Cable	
1-1/4" Standard Cable, Standard Jacket	LDF6-50
Fire Retardant Cable	
1-1/4" Fire Retardant Jacket (CATVR)	LDF6RN-50
Low VSWR and Specialized Cables	
1-1/4" Low VSWR, specify operating band	LDF6P-50(**)
Cable for Cellular, standard jacket	
824-894 MHz, 1.20 VSWR, max.	LDF6P-50-1A
880-960 MHz, 1.20 VSWR, max.	LDF6P-50-3A
870-960 MHz, 1.10 VSWR, max (up to 300 ft)	LDF6P-50-2A
Cable for Cellular, fire retardant jacket (CATVR)	
824-894 MHz, 1.20 VSWR	41690-76

** Insert suffix number from "Low VSWR Specifications" table.

Characteristics

Electrical	
Impedance, ohms	50 ± 1
Maximum Frequency, GHz	3.3
Velocity, percent	89
Peak Power Rating, kW	205
dc Resistance, ohms/1000 ft (1000 m)	
Inner	0.22 (0.72)
Outer	0.15 (0.49)
dc Breakdown, volts	9000
Jacket Spark, volts RMS	10000
Capacitance, pF/ft (m)	22.9 (75.1)
Inductance, µH/ft (m)	0.056 (0.184)
Mechanical	
Outer Conductor	Copper
Inner Conductor	Copper
Diameter over Jacket, in (mm)	1.55 (39.4)
Diameter over Copper Outer Conductor, in (mm)	1.41 (35.8)
Diameter Inner Conductor, in (mm)	0.516 (13.1)
Nominal Inside Transverse Dimensions, cm	3.11
Minimum Bending Radius, in (mm)	15 (380)
Number of Bends, minimum (typical)	15 (50)
Bending Moment, lb-ft (N*m)	39 (53)
Cable Weight, lb/ft (kg/m)	0.66 (0.98)
Tensile Strength, lb (kg)	1500 (678)
Flat Plate Crush Strength, lb/in (kg/mm)	138 (2.4)

Attenuation and Average Power

Frequency MHz	Attenuation dB/100 ft	Attenuation dB/100m	Average Power kW
0.5	0.018	0.0599	167
1	0.026	0.0853	118
1.5	0.032	0.105	96.4
2	0.037	0.122	83.4
10	0.084	0.275	36.9
20	0.119	0.391	25.9
30	0.147	0.481	21.1
50	0.191	0.627	16.2
88	0.257	0.844	12.0
100	0.275	0.901	11.2
108	0.286	0.939	10.8
150	0.340	1.12	9.09
174	0.368	1.21	8.40
200	0.397	1.30	7.79
300	0.494	1.62	6.26
400	0.578	1.90	5.35
450	0.617	2.02	5.01
500	0.654	2.15	4.73
512	0.663	2.18	4.66
600	0.724	2.38	4.27
700	0.789	2.59	3.92
800	0.851	2.79	3.63
824	0.866	2.84	3.57
894	0.907	2.98	3.41
960	0.945	3.10	3.27
1000	0.967	3.17	3.20
1250	1.10	3.61	2.81
1500	1.22	4.02	2.52
1700	1.32	4.31	2.34
2000	1.45	4.77	2.13
2300	1.58	5.18	1.95
3000	1.86	6.10	1.66
3300	1.97	6.47	1.56

Standard Conditions:

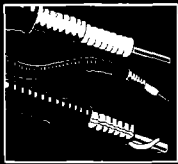
For Attenuation, VSWR 1.0 ambient temperature 24°C (75°F).
For Average Power, VSWR 1.0, ambient temperature 40°C (104°F), inner conductor temperature 100°C (212°F), no solar loading.

Pressure Path

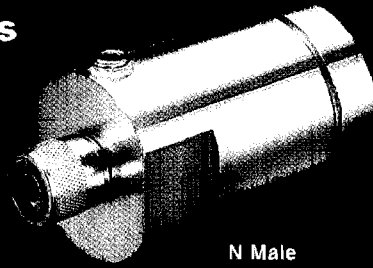
Type LDF6-50 has a tubular inner conductor which can be used as a pressure path for pressurization of air-dielectric feeds and other pressurizable components. Type N, 7-16 DIN and LC connectors do not allow gas to pass through the connector interface. Connectors with -PR suffix include a pressure port. When using these connectors, use polyethylene tubing to reroute the pressurized gas and complete the pressure path. Connect the tubing to the pressure ports on the connector and the mating component.

7/8" EIA and 1-5/8" EIA connectors allow gas to pass through the connector and rerouting is not necessary.

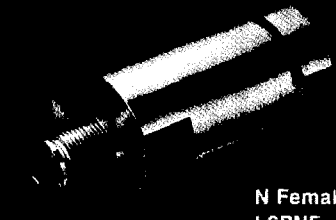
F Flange connectors are designed for use in non-pressurized systems and do not have a pressure port.



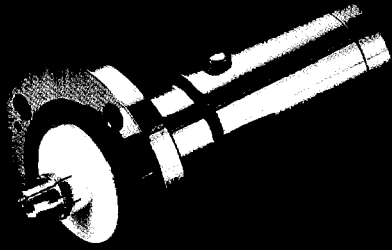
HELIAX® Coaxial Cables



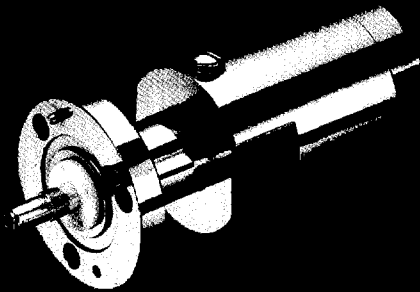
N Male
L6PNM-PR



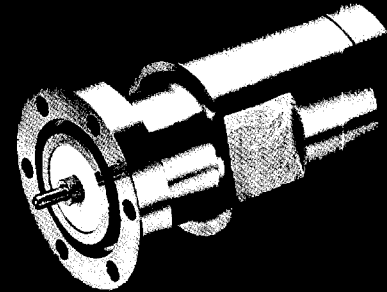
N Female
L6PNF



1-5/8" EIA Flange
L46R



7/8" EIA Flange
L46S



F Flange Male
L46F

Connectors

Interface	Description	Type Number	Previous Type Number	Inner Contact Attachment	Outer Contact Attachment	Plating Code	Max. Length in (mm)	Max. Dia. in (mm)
N Male		L6PNM	L46PW	Self-Tapping	Self-Flare	SG	3.8 (97)	2.0 (51)
N Male	Pressure port	L6PNM-PR*		Self-Tapping	Self-Flare	SG	3.8 (97)	2.0 (51)
N Male	Hex Head	L6PNM-H		Self-Tapping	Self-Flare	SG	3.7 (94)	2.0 (50.8)
N Female		L6PNF	L46PN	Self-Tapping	Self-Flare	SG	3.7 (94)	2.0 (50.8)
N Female	Pressure port	L6PNF-PR*		Self-Tapping	Self-Flare	SG	3.7 (94)	2.0 (50.8)
7-16 DIN Male		L6PDM	L46ADM	Self-Tapping	Self-Flare	SS	3.9 (99)	2.0 (50.8)
7-16 DIN Male	Pressure port	L6PDM-PR*		Self-Tapping	Self-Flare	SS	3.9 (99)	2.0 (50.8)
7-16 DIN Female		L6PDF	L46ADF	Self-Tapping	Self-Flare	SS	4.1 (104)	2.0 (50.8)
7-16 DIN Female	Pressure port	L6PDF-PR*		Self-Tapping	Self-Flare	SS	4.1 (104)	2.0 (50.8)
7-16 DIN Female	Bulkhead	L6PDF-BH	L46ADF-BH	Self-Tapping	Self-Flare	SS	4.1 (104)	2.0 (50.8)
1-5/8" EIA Flange	Gas Pass	L46R		Self-Tapping	Self-Flare	BB	5.1 (130)	3.5 (89)
7/8" EIA Flange	Gas Pass	L46S		Self-Tapping	Self-Flare	BB	4.6 (117)	2.25 (57)
F Flange Male	No Pressure Pt.	L46F		Self-Tapping	Self-Flare	BB	4.0 (102)	2.25 (57)
LC Male		L46M		Self-Tapping	Self-Flare	BB	4.9 (124)	2.0 (50.8)
LC Male	Pressure port	L46M-PR*		Self-Tapping	Self-Flare	BB	4.9 (124)	2.0 (50.8)
LC Female		L46L		Self-Tapping	Self-Flare	BB	4.7 (119)	2.0 (50.8)
LC Female	Pressure port	L46L-PR*		Self-Tapping	Self-Flare	BB	4.7 (119)	2.0 (50.8)
Splice		L46Z		Self-Tapping	Self-Flare	BB	3.0 (76)	2.0 (50.8)

* Connectors with -PR suffix have a gas barrier at interface, unless otherwise noted, and include a 1/8" NPT pressure port.

Plating Codes: BB - Brass Body and Pin, SG - Silver Plated Body and Gold Plated Pin, SS - Silver Plated Body and Pin

Connector Accessories

	Type Number
Connector Pin-Paks, two replacement pins	
For L6PNF	241057
For L6PDM	114105-3
For L6PDF and L6PDF-BH	114105-4
Connector Reattachment Kit L46 Series	34767A-43
7/8" EIA Gas Barrier	1260A
1-5/8" EIA Gas Barrier	1261B
1-5/8" EIA End Terminal, for strap connection to center conductor, includes inner connector. Use with L46R.	2061
Elbow, F Flange male and F Flange female	203361
Test Adapter, F Flange female and Type N female.	
For testing of feeder terminated with F Flange female	104300-2

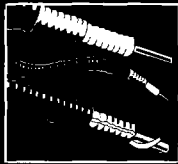
Low VSWR Specifications, Type LDF6P-50-()

Frequency Band, GHz	Type No.	Using Connector Type**	Assembly VSWR, Maximum (R.L., dB)				
			1-25 ft (0.3-8 m)	25-100 ft (8-30 m)	100-200 ft (30-60 m)	200-500 ft (60-150 m)	Above 500 ft (150 m)
0.824-0.894	LDF6P-50-1A	7/8" EIA: L46S	1.06 (30.7)	1.08 (28.3)	1.08 (28.3)	1.10 (26.4)	1.15 (23.1)
		N Male: L6PNM	1.08 (28.3)	1.09 (27.3)	1.12 (24.9)	1.15 (23.1)	1.20 (20.8)
		"F" Flange: L46F	1.08 (28.3)	1.08 (28.3)	1.10 (26.4)	1.12 (24.9)	1.15 (23.1)
		7-16 DIN: L6PDM, L6PDF	1.08 (28.3)	1.09 (27.3)	1.10 (26.4)	1.15 (23.1)	1.20 (20.8)
		N Female: L6PNF	1.08 (28.3)	1.10 (26.4)	1.12 (24.9)	1.15 (23.1)	1.20 (20.8)
		LC: L46L, L46M	1.10 (26.4)	1.12 (24.9)	1.15 (23.1)	1.18 (21.6)	1.20 (20.8)
		1-5/8" EIA: L46R	1.10 (26.4)	1.12 (24.9)	1.15 (23.1)	1.20 (20.8)	1.25 (19.1)
0.824-0.960 and 1.85-1.99	LDF6P-50-15A	N Males	1.08 (28.3)	1.10 (26.4)	1.12 (24.9)	1.15 (23.1)	1.15 (23.1)
		N Females	1.08 (28.3)	1.10 (26.4)	1.12 (24.9)	1.15 (23.1)	1.15 (23.1)
		7-16 DIN Males	1.08 (28.3)	1.10 (26.4)	1.12 (24.9)	1.15 (23.1)	1.15 (23.1)
		7-16 DIN Females	1.08 (28.3)	1.10 (26.4)	1.12 (24.9)	1.15 (23.1)	1.15 (23.1)
0.870-0.960	LDF6P-50-2A	7/8" EIA: L46S	1.06 (30.7)	1.08 (28.3)	1.10 (26.4)	1.15 (23.1)	1.20 (20.8)
		N Male: L6PNM	1.06 (30.7)	1.08 (28.3)	1.10 (26.4)	1.10 (26.4)	1.15 (23.1)
		"F" Flange: L46F	1.06 (30.7)	1.08 (28.3)	1.10 (26.4)	1.15 (23.1)	1.20 (20.8)
		7-16 DIN: L6PDM, L6PDF	1.08 (28.3)	1.10 (26.4)	1.12 (24.9)	1.15 (23.1)	1.20 (20.8)
		N Female: L6PNF	1.08 (28.3)	1.10 (26.4)	1.15 (23.1)	1.20 (20.8)	1.25 (19.1)
		LC: L46L, L46M	1.10 (26.4)	1.15 (23.1)	1.18 (21.6)	1.20 (20.8)	1.25 (19.1)
		1-5/8" EIA: L46R	1.10 (26.4)	1.15 (23.1)	1.20 (20.8)	1.22 (20.1)	1.25 (19.1)
0.880-0.960	LDF6P-50-3A	7/8" EIA: L46S	1.06 (30.7)	1.08 (28.3)	1.10 (26.4)	1.15 (23.1)	1.20 (20.8)
		N Male: L6PNM	1.06 (30.7)	1.08 (28.3)	1.10 (26.4)	1.15 (23.1)	1.20 (20.8)
		"F" Flange: L46F	1.06 (30.7)	1.08 (28.3)	1.10 (26.4)	1.15 (23.1)	1.20 (20.8)
		7-16 DIN: L6PDM, L6PDF	1.08 (28.3)	1.10 (26.4)	1.12 (24.9)	1.15 (23.1)	1.20 (20.8)
		N Female: L6PNF	1.08 (28.3)	1.12 (24.9)	1.15 (23.1)	1.20 (20.8)	1.25 (19.1)
		LC Male: L46M	1.10 (26.4)	1.12 (24.9)	1.15 (23.1)	1.18 (21.6)	1.20 (20.8)
		LC Female: L46L	1.10 (26.4)	1.15 (23.1)	1.18 (21.6)	1.20 (20.8)	1.25 (19.1)
1-5/8" EIA: L46R	1.10 (26.4)	1.15 (23.1)	1.20 (20.8)	1.22 (20.1)	1.25 (19.1)		
1.427-1.535	LDF6P-50-4A	7/8" EIA: L46S	1.06 (30.7)	1.08 (28.3)	1.10 (26.4)	1.17 (22.1)	1.20 (20.8)
		N Male: L6PNM	1.08 (28.3)	1.10 (26.4)	1.12 (24.9)	1.15 (23.1)	1.15 (23.1)
		"F" Flange: L46F	1.10 (26.4)	1.12 (24.9)	1.15 (23.1)	1.20 (20.8)	1.25 (19.1)
		7-16 DIN Male: L6PDM	1.10 (26.4)	1.15 (23.1)	1.20 (20.8)	1.20 (20.8)	1.25 (19.1)
		7-16 DIN Female: L6PDF	1.08 (28.3)	1.10 (26.4)	1.12 (24.9)	1.15 (23.1)	1.20 (20.8)
		N Female: L6PNF	1.10 (26.4)	1.12 (24.9)	1.15 (23.1)	1.20 (20.8)	1.25 (19.1)
		LC Male: L46M	1.20 (20.8)	1.25 (19.1)	1.28 (18.2)	1.30 (17.7)	1.30 (17.7)
LC Female: L46L	1.20 (20.8)	1.25 (19.1)	1.30 (17.7)	1.30 (17.7)	1.30 (17.7)		
1-5/8" EIA: L46R	1.10 (26.4)	1.15 (23.1)	1.20 (20.8)	1.20 (20.8)	1.25 (19.1)		
1.7-1.9	LDF6P-50-5A	7/8" EIA: L46S	1.06 (30.7)	1.08 (28.3)	1.09 (27.3)	1.10 (26.4)	1.10 (26.4)
		N Male: L6PNM	1.06 (30.7)	1.08 (28.3)	1.09 (27.3)	1.10 (26.4)	1.10 (26.4)
		"F" Flange: L46F	1.08 (28.3)	1.10 (26.4)	1.12 (24.9)	1.15 (23.1)	1.15 (23.1)
		7-16 DIN Male: L6PDM	1.10 (26.4)	1.10 (26.4)	1.12 (24.9)	1.15 (23.1)	1.20 (20.8)
		7-16 DIN Female: L6PDF	1.06 (30.7)	1.08 (28.3)	1.10 (26.4)	1.12 (24.9)	1.15 (23.1)
		N Female: L6PNF	1.08 (28.3)	1.10 (26.4)	1.12 (24.9)	1.15 (23.1)	1.20 (20.8)
		LC: L46L, L46M	1.20 (20.8)	1.22 (20.1)	1.25 (19.1)	1.28 (18.2)	1.30 (17.7)
1-5/8" EIA: L46R	1.10 (26.4)	1.12 (24.9)	1.15 (23.1)	1.18 (21.6)	1.20 (20.8)		
1.7-2.11	LDF6P-50-6A	7/8" EIA: L46S	1.06 (30.7)	1.08 (28.3)	1.10 (26.4)	1.12 (24.9)	1.15 (23.1)
		N Male: L6PNM	1.08 (28.3)	1.10 (26.4)	1.12 (24.9)	1.15 (23.1)	1.15 (23.1)
		"F" Flange: L46F	1.10 (26.4)	1.12 (24.9)	1.15 (23.1)	1.18 (21.6)	1.20 (20.8)
		7-16 DIN Male: L6PDM	1.10 (26.4)	1.12 (24.9)	1.15 (23.1)	1.18 (21.6)	1.20 (20.8)
		7-16 DIN Female: L6PDF	1.08 (28.3)	1.10 (26.4)	1.12 (24.9)	1.15 (23.1)	1.15 (23.1)
		N Female: L6PNF	1.10 (26.4)	1.12 (24.9)	1.15 (23.1)	1.18 (21.6)	1.20 (20.8)
		LC: L46L, L46M	1.20 (20.8)	1.22 (20.1)	1.24 (19.3)	1.25 (19.1)	1.25 (19.1)
1-5/8" EIA: L46R	1.10 (26.4)	1.15 (23.1)	1.18 (21.6)	1.20 (20.8)	1.20 (20.8)		
1.85-2.2	LDF6P-50-7A	7/8" EIA: L46S	1.06 (30.7)	1.08 (28.3)	1.10 (26.4)	1.12 (24.9)	1.15 (23.1)
		N Male: L6PNM	1.06 (30.7)	1.08 (28.3)	1.10 (26.4)	1.12 (24.9)	1.15 (23.1)
		"F" Flange: L46F	1.08 (28.3)	1.10 (26.4)	1.12 (24.9)	1.15 (23.1)	1.15 (23.1)
		7-16 DIN Male: L6PDM	1.08 (28.3)	1.10 (26.4)	1.12 (24.9)	1.15 (23.1)	1.15 (23.1)
		7-16 DIN Female: L6PDF	1.06 (30.7)	1.08 (28.3)	1.10 (26.4)	1.12 (24.9)	1.15 (23.1)
		N Female: L6PNF	1.08 (28.3)	1.10 (26.4)	1.12 (24.9)	1.15 (23.1)	1.15 (23.1)
		LC: L46L, L46M	1.20 (20.8)	1.22 (20.1)	1.24 (19.3)	1.25 (19.1)	1.25 (19.1)
1-5/8" EIA: L46R	1.10 (26.4)	1.12 (24.9)	1.14 (23.7)	1.18 (21.6)	1.20 (20.8)		

* Specify operating band ** Connectors ordered separately

Continued on next page

VSWR values are guaranteed for factory fit assemblies and are typical for field cut lengths. If two different connector interfaces are selected, the higher VSWR value is guaranteed.



HELIAX® Coaxial Cables

Low VSWR Specifications, Type LDF6P-50-()

Frequency Band, GHz	Type No.	Using Connector Type**	Assembly VSWR, Maximum (R.L., dB)				
			1-25 ft (0.3-8 m)	25-100 ft (8-30 m)	100-200 ft (30-60 m)	200-500 ft (60-150 m)	Above 500 ft (150 m)
1.9-2.3	LDF6P-50-8A	7/8" EIA: L46S	1.08 (28.3)	1.10 (26.4)	1.12 (24.9)	1.15 (23.1)	1.20 (20.8)
		N Male: L6PNM	1.08 (28.3)	1.10 (26.4)	1.12 (24.9)	1.15 (23.1)	1.15 (23.1)
		"F" Flange: L46F	1.10 (26.4)	1.12 (24.9)	1.15 (23.1)	1.18 (21.6)	1.20 (20.8)
		7-16 DIN Male: L6PDM	1.12 (24.9)	1.22 (20.1)	1.24 (19.3)	1.25 (19.1)	1.25 (19.1)
		7-16 DIN Female: L6PDF	1.08 (28.3)	1.10 (26.4)	1.12 (24.9)	1.15 (23.1)	1.20 (20.8)
		N Female: L6PNF	1.12 (24.9)	1.15 (23.1)	1.18 (21.6)	1.25 (19.1)	1.25 (19.1)
		LC Male: L46M	1.20 (20.8)	1.22 (20.1)	1.25 (19.1)	1.28 (18.2)	1.30 (17.7)
		LC Female: L46L	1.20 (20.8)	1.25 (19.1)	1.28 (18.2)	1.30 (17.7)	1.35 (16.6)
		1-5/8" EIA: L46R	1.20 (20.8)	1.22 (20.1)	1.24 (19.4)	1.25 (19.1)	1.25 (19.1)
2.3-2.7	LDF6P-50-9A	7/8" EIA: L46S	1.08 (28.3)	1.10 (26.4)	1.12 (24.9)	1.15 (23.1)	1.20 (20.8)
		N Male: L6PNM	1.08 (28.3)	1.10 (26.4)	1.15 (23.1)	1.18 (21.6)	1.20 (20.8)
		"F" Flange: L46F	1.10 (26.4)	1.12 (24.9)	1.15 (23.1)	1.20 (20.8)	1.25 (19.1)
		7-16 DIN Male: L6PDM	1.10 (26.4)	1.12 (24.9)	1.15 (23.1)	1.20 (20.8)	1.25 (19.1)
		7-16 DIN Female: L6PDF	1.08 (28.3)	1.10 (26.4)	1.12 (24.9)	1.15 (23.1)	1.20 (20.8)
		N Female: L6PNF	1.10 (26.4)	1.12 (24.9)	1.15 (23.1)	1.20 (20.8)	1.25 (19.1)
		LC Female: L46L	1.30 (17.7)	1.30 (17.7)	1.32 (17.2)	1.35 (16.6)	1.35 (16.6)
		LC Male: L46M	1.20 (20.8)	1.22 (20.1)	1.25 (19.1)	1.28 (18.2)	1.30 (17.7)
		1-5/8" EIA: L46R	1.20 (20.8)	1.20 (20.8)	1.22 (20.1)	1.25 (19.1)	1.25 (19.1)
0.010-2.7	LDF6P-50-10A	7/8" EIA: L46S	1.10 (26.4)	1.20 (20.8)	1.35 (16.6)	2.10 (9.0)	2.10 (9.0)
		N: L6PNM, L6PNF	1.10 (26.4)	1.20 (20.8)	1.35 (16.6)	2.10 (9.0)	2.10 (9.0)
		"F" Flange: L46F	1.10 (26.4)	1.20 (20.8)	1.35 (16.6)	2.10 (9.0)	2.10 (9.0)
		7-16 DIN: L6PDM, L6PDF	1.10 (26.4)	1.20 (20.8)	1.35 (16.6)	1.80 (10.9)	2.10 (9.0)
		LC Female: L46L	1.30 (17.7)	1.35 (16.6)	1.40 (15.6)	1.80 (10.9)	2.10 (9.0)
		LC Male: L46M	1.20 (20.8)	1.25 (19.1)	1.35 (16.6)	1.80 (10.9)	2.10 (9.0)
		1-5/8" EIA: L46R	1.20 (20.8)	1.30 (17.7)	1.35 (16.6)	1.80 (10.9)	2.10 (9.0)
		0.010-3.3	LDF6P-50-11A	7/8" EIA: L46S	1.10 (26.4)	1.20 (20.8)	1.35 (16.6)
N Male: L6PNM	1.10 (26.4)	1.20 (20.8)	1.35 (16.6)	2.10 (9.0)	2.10 (9.0)		
"F" Flange: L46F	1.10 (26.4)	1.20 (20.8)	1.35 (16.6)	1.80 (10.9)	2.10 (9.0)		
7-16 DIN: L6PDM, L6PDF	1.10 (26.4)	1.20 (20.8)	1.35 (16.6)	1.80 (10.9)	2.10 (9.0)		
N Female: L6PNF	1.10 (26.4)	1.20 (20.8)	1.35 (16.6)	2.10 (9.0)	2.10 (9.0)		
LC: L46L, L46M	1.30 (17.7)	1.40 (15.6)	1.50 (14.0)	1.80 (10.9)	2.10 (9.0)		

* Specify operating band ** Connectors ordered separately

VSWR values are guaranteed for factory fit assemblies and are typical for field cut lengths. If two different connector interfaces are selected, the higher VSWR value is guaranteed.

Accessories – Photos and descriptions on pages 544-572

Description	Type No.	Description	Type No.
Hangers and Adapters - for more hangers and adapters see pages 547-557		SureGround™ Grounding Kit with tape weatherproofing kit	
Standard Hangers and Adapters Standard Hanger Kit of 10. <i>Standard tower configuration spacing is 3-4 feet (1-1.2 m).</i> Recommended maximum spacing for outdoor installation is 6 ft (1.83 m) at 125 mph (200 km/h) wind, 1/2" (13 mm) radial ice. For different wind and ice loading spacing recommendations, refer to Cable Hanger Spacing, page 547	42396A-1	factory attached, one-hole lug, 600 mm lead	SGL6-06B1
Hardware Kit of 10, 3/8" bolts, lock washers, nuts 3/4" (19 mm) long 1" (25) mm long	31769-5 31769-1	factory attached, two-hole lug, 600 mm lead	SGL6-06B2
Angle Adapter , kit of 10. Stainless Steel Galvanized Galvanized, metric hardware	31768A 242774 242774-M	field attachable crimp-on, one-hole lug, 1000 mm lead	SGL6-10B3
Round Member Adapter Kit of 10. Stainless steel Member Diameter, in (mm) 1-2 (25-50) 2-3 (50-75) 3-4 (75-100) 4-5 (100-125) 5-6 (125-150) 6-8 (150-200)	31670-1 31670-2 31670-3 31670-4 31670-5 31670-6	field attachable crimp-on, two-hole lug, 1000 mm lead	SGL6-10B4
Snap-In Hangers and Adapters Snap-In Hanger Kit of 10. For prepunched 3/4 in (19 mm) holes on tower members or adapters below. <i>Standard tower configuration spacing is 3-4 feet (1-1.2 m).</i> Recommended maximum spacing for outdoor installation is 6 ft (1.83 m) at 125 mph (200 km/h) wind, 1/2" (13 mm) radial ice. For different wind and ice loading spacing recommendations, refer to Cable Hanger Spacing, page 547.	206706-3	Grounding Kit factory attached, one-hole lug, 24 in (610 mm) lead factory attached, two-hole lug, 24 in (610 mm) lead field attachable crimp-on, one-hole lug, 36 in (915 mm) lead field attachable crimp-on, two-hole lug, 36 in (915 mm) lead	204989-3 241088-3 204989-23 241088-8
Tower Hanger/Adapter , attaches to existing angle tower members 1 cable run, 1 connection required 4 cable runs, 2 connections required 8 cable runs, 3 connections required	206929-1 206929-4 206929-8	Crimping Tool to field attach lug to Grounding Kit	207270
J-Bolt Hardware Kit of 10 for use with Tower/Hanger Adapter	206930	Arrestor Plus® Lightning Surge Protector Connector/surge protector.	APPL6-#-*
Angle Adapter Kit of 10. Stainless steel. For attaching TowerHanger/Adapter to angle tower members.	31768A	#, * <i>Interface and frequency band information.</i> <i>See page 562 for details and more interface types.</i>	
Hanger Blox™ Kit of 3. Injection molded plastic, stackable. 3 runs per unit; 9 runs per bundle. <i>Standard tower configuration spacing is 3-4 feet (1-1.2 m).</i> Recommended maximum spacing for outdoor installation is 6 ft (1.83 m) at 125 mph (200 km/h) wind, 1/2" (13 mm) radial ice, bolted to tower. For different wind and ice loading spacing recommendations, refer to Cable Hanger Spacing, page 547. See page 557 for supporting accessories.	HB-6	Arrestor Plus T-Series Lightning Surge Protector Connectors on each end (universal version). Non-directional #, * <i>Interface and frequency band information.</i> <i>See page 563 for details.</i>	APT-#-*
Hanger Blox Hardware Kit. Starter Kit Extender Kit	HBSH-456 HBEH-456	Gas Tube Surge Arrestor Connectors on each end (universal version). Directional, dc pass capability #, * <i>Interface and frequency band information.</i> <i>See page 564 for details.</i>	SA-#-*
Insulated Hangers and Adapters - please refer to pages 554-555.		Weatherproofing - for more information, see page 565.	
Support/Hoisting Grip. Use at 200 ft (60 m) intervals. Grip with one clamp Support clamp kit of 10 Installation tool with 10 support clamps	L6SGRIP L6SGRIP-61K L6SGRIP-61KT 29961	Cold Shrink Weatherproofing Kit 1-1/4" Coax-Type N to 1/2" Coax-Type N 1-1/4" Coax-Type N to 7/8" Coax-Type N 1-1/4" Coax-Type N to 1-1/4" Coax-Type N 1-1/4" Coax-7-16 DIN to 1/2" LDF4 - 7-16 DIN 1-1/4" Coax-7-16 DIN to 1/2" FSJ4 - 7-16 DIN AAPL6 to 1-1/4" LDF6-50	241475-2 241475-3 241474-6 241475-5 241475-7 241474-6
Hoisting Grip		Connector/Splice Weatherproofing Kit	221213
Grounding and Surge Protection - for more information, see pages 559-564.		Entry Systems - for more information, see pages 566-567.	
		Wall/Roof Feed-Thru	40656A-5
		Feed-Thru Plates and Boots. Order separately.	
		Plates	
		Openings	Plates
		1	For 4 in Boots
		1	For 5 in Boots
		2	204673-1
		3	204673-2
		4	48940-2
		6	48940-3
		8	48940-4
		12	48940-6
			204673-4
			204673-8
			204673-12
			4 in Boots
			5 in Boots
		One Hole:	204679-3
		ArrestorPort Plus™. Wall entry plate and integrated ground bar assembly. APPOR(-*)(**) Use with Arrestor Plus surge protector series. Available in many configurations see page 562. for available options and ordering information. * <i>Number of surge arrestor openings in the plate.</i> ** <i>Number of cable feed thru ports at the top.</i>	48939-3
		Tools - for more tools see page 569.	
		Cable Flare Tool	224373
		Installer Pax™. Bulk packs are available for some hangers, adapters, grounding kits and cold shrink weatherproofing kits. See page 570.	