

ANDREW "HELIAX" COAXIAL CABLE

ANDREW #	RG TYPE	CONDUCTOR	DIELECTRIC	OUTER SHIELD	OUTER JACKET	OD	OD	Characteristic Impedance (Zo in " ? ")	Velocity of Propagation	Max Wattage @ 10 MHz	dB Loss per 100' @					
											10 MHz	30 MHz	150 MHz	450 MHz	1000 MHz	
LDF12-50	N/A	Copper Tube	FPE	100%	PE	2 1/4 "	2.250 "	50.0 Ohm	88%	70860	.052 dB	.119 dB	.215 dB	.400 dB	.601 dB	
AL7-50	N/A	Corrugated Copper Tube	FPE	100%	PE	1 5/8 "	1.625 "	50.0 Ohm	92%	32520	.221 dB	.387 dB	.890 dB	1.599 dB	2.484 dB	
LDF6-50	N/A	Copper Tube	FPE	100%	PE	1 1/4 "	1.250 "	50.0 Ohm	89%	39820	.074 dB	.168 dB	.299 dB	.544 dB	.801 dB	
AL5-50	N/A	Copper Tube	FPE	100%	PE	7/8 "	0.875 "	50.0 Ohm	91%	20250	.382 dB	.667 dB	1.521 dB	2.703 dB	4.418 dB	
LDF4.5-50A	N/A	Copper Clad Aluminum	FPE	100%	PE	5/8 "	0.625 "	50.0 Ohm	89%	16880	.145 dB	.330 dB	.586 dB	1.054 dB	1.540 dB	
LDF4-50A	N/A	Copper Clad Aluminum	FPE	100%	PE	1/2 "	0.500 "	50.0 Ohm	88%	11350	.205 dB	.463 dB	.815 dB	1.447 dB	2.089 dB	
LDF2-50	N/A	Copper Clad Aluminum	FPE	100%	PE	3/8 "	0.375 "	50.0 Ohm	88%	7280	.323 dB	.730 dB	1.286 dB	2.290 dB	3.313 dB	
EFX2RN-50	N/A	Copper Clad Aluminum	FPE	100%	NHFRPO	3/8 "	0.375 "	50.0 Ohm	85%	6970	.335 dB	.584 dB	1.337 dB	2.386 dB	3.676 dB	
LDF1-50	N/A	Copper Clad Aluminum	FPE	100%	PE	1/4 "	0.250 "	50.0 Ohm	86%	5830	.382 dB	.865 dB	1.522 dB	2.706 dB	3.911 dB	
ABBREVIATIONS:																
			DIELECTRIC													
			FPE	Foam PolyEthylene												
					OUTER JACKET											
					NHFRPO	Nonhalogenated, fire retardant polyolefin										

BELDEN "RADIO GRADE (RG) TYPE " COAXIAL CABLE

BELDEN #	RG TYPE	CONDUCTOR	DIELECTRIC	OUTER SHIELD	OUTER JACKET	OD	Characteristic Impedance (Zo in " ? ")	Velocity of Propagation	Max Wattage @ 10 MHz	dB Loss per 100' @				
										10 MHz	50 MHz	200 MHz	400 MHz	1000 MHz
9913	RG - 8/U	10 AWG Solid	SSPE	90%	PVC	0.405 "	50.0 Ohm	84%	3217	.500 dB	1.000 dB	1.800 dB	2.600 dB	4.400 dB
9913F7	RG - 8/U	10 AWG Stranded	GIFHDPE	95%	PVC	0.405 "	50.0 Ohm	85%	2681	.600 dB	1.100 dB	2.000 dB	3.000 dB	5.000 dB
8214	RG - 8/U	11 AWG Stranded	FPE	97%	PVC	0.403 "	50.0 Ohm	78%		.500 dB	1.200 dB	2.600 dB	3.900 dB	7.000 dB
8268	RG - 214/U	13 AWG Stranded	PE	97%	PVCNC	0.425 "	50.0 Ohm	66%		.550 dB	1.300 dB	2.700 dB	4.100 dB	8.000 dB
8267	RG - 213/U	13 AWG Stranded	PE	96%	PVCNC	0.405 "	50.0 Ohm	66%	2761	.550 dB	1.300 dB	2.700 dB	4.100 dB	8.000 dB
8237	RG - 8/U	13 AWG Stranded	PE	97%	PVC	0.405 "	52.0 Ohm	66%		.600 dB	1.300 dB	2.800 dB	4.200 dB	7.400 dB
9258	RG-8/X or RG-8Mini	16 AWG Stranded	GIFPE	95%	PVC	0.242 "	50.0 Ohm	82%	1000	.900 dB	2.100 dB	4.500 dB	6.600 dB	11.200 dB
8240	RG - 58A/U	20 AWG Stranded	PE	95%	PVC	0.193 "	51.5 Ohm	66%		1.100 dB	2.500 dB	5.600 dB	8.400 dB	14.500 dB
8219	RG - 58A/U	20 AWG Stranded	FPE	93%	PVC	0.194 "	53.5 Ohm	73%		1.300 dB	3.100 dB	6.600 dB	10.000 dB	18.100 dB
8259	RG - 58A/U	20 AWG Stranded	PE	95%	PVC	0.193 "	50.0 Ohm	66%		1.500 dB	3.700 dB	8.100 dB	12.400 dB	22.800 dB

ABBREVIATIONS:

DIELECTRIC	
SSPE	Semi Solid PolyEthylene
GIFHDPE	Gas Injected Foam High Density PolyEthylene
FPE	Foam PolyEthylene
PE	PolyEthylene
GIFPE	Gas Injected Foam PolyEthylene
OUTER JACKET	
PVCNC	Polyvinyl Chloride Non-Contaminating
PVC	Polyvinyl Chloride

TIMES MICROWAVE SYSTEMS "LMR" COAXIAL CABLE

TIMES MICROWAVE #	RG TYPE	CONDUCTOR	DIELECTRIC	OUTER SHIELD	OUTER JACKET	OD	Characteristic Impedance (Zo in "?")	Velocity of Propagation	Max Wattage @ 30 MHz	dB Loss per 100' @				
										30 MHz	50 MHz	150 MHz	450 MHz	900 MHz
LMR-1700	N/A	Solid BCCA	FPE	100%	PE	1.250 "	50.0 Ohm	89%	20270	.500 dB	.200 dB	.300 dB	.600 dB	.900 dB
LMR-1200	N/A	Solid BCCA	FPE	100%	PE	0.875 "	50.0 Ohm	88%	12630	.200 dB	.300 dB	.500 dB	.900 dB	1.300 dB
LMR-900	N/A	Solid BCCA	FPE	100%	PE	0.625 "	50.0 Ohm	87%	8890	.300 dB	.400 dB	.700 dB	1.200 dB	1.700 dB
LMR-600	N/A	Solid BCCA	FPE	100%	PE	0.500 "	50.0 Ohm	87%	5510	.400 dB	.500 dB	1.000 dB	1.700 dB	2.500 dB
LMR-600-UF	N/A	Stranded BC	FPE	100%	TPE	0.500 "	50.0 Ohm	87%	4590	.500 dB	.700 dB	1.200 dB	2.100 dB	3.000 dB
LMR-500	N/A	Solid BCCA	FPE	100%	PE	0.500 "	50.0 Ohm	85%	4400	.500 dB	.500 dB	1.200 dB	2.200 dB	3.100 dB
LMR-500-UF	N/A	Stranded BC	FPE	100%	TPE	0.500 "	50.0 Ohm	85%	3680	.600 dB	.800 dB	1.500 dB	2.600 dB	3.800 dB
LMR-400	N/A	Solid BCCA	FPE	100%	PE	0.375 "	50.0 Ohm	85%	3330	.700 dB	.900 dB	1.500 dB	2.700 dB	3.900 dB
LMR-400-UF	N/A	Stranded BC	FPE	100%	TPE	0.375 "	50.0 Ohm	85%	2770	.800 dB	1.100 dB	1.800 dB	3.300 dB	4.700 dB
LMR-300	N/A	Solid BC	FPE	100%	PE	0.250 "	50.0 Ohm	85%	2090	1.100 dB	1.400 dB	2.400 dB	4.200 dB	6.100 dB
LMR-300-UF	N/A	Stranded BC	FPE	100%	TPE	0.250 "	50.0 Ohm	85%	1740	1.300 dB	1.600 dB	2.900 dB	5.100 dB	7.300 dB
LMR-240	N/A	Solid BC	FPE	100%	PE	0.250 "	50.0 Ohm	84%	1490	1.300 dB	1.700 dB	3.000 dB	5.300 dB	7.600 dB
LMR-240-UF	N/A	Stranded BC	FPE	100%	TPE	0.250 "	50.0 Ohm	84%	1240	1.600 dB	2.100 dB	3.600 dB	6.300 dB	9.100 dB
LMR-200	N/A	Solid BC	FPE	100%	PE	0.187 "	50.0 Ohm	83%	1020	1.800 dB	2.300 dB	4.000 dB	7.000 dB	9.900 dB
LMR-200-UF	N/A	Stranded BC	FPE	100%	TPE	0.187 "	50.0 Ohm	83%	950	2.100 dB	2.700 dB	4.800 dB	8.300 dB	11.900 dB
LMR-195	N/A	Solid BC	FPE	100%	PE	0.187 "	50.0 Ohm	80%	890	2.000 dB	2.500 dB	4.400 dB	7.800 dB	11.100 dB
LMR-195-UF	N/A	Stranded BC	FPE	100%	TPE	0.187 "	50.0 Ohm	80%	780	2.300 dB	3.000 dB	5.300 dB	9.300 dB	13.200 dB
LMR-100A	N/A	Stranded BC	FPE	100%	PVC	0.125 "	50.0 Ohm	66%	230	3.900 dB	5.100 dB	8.900 dB	15.800 dB	22.800 dB