

GT-LMR400 RF COAXIAL CABLE (30-6000MHz)



Telecommunication Technology & Engineering Accessories

Rev.V1.3

电缆结构 Construction Specification:

Item	Material	Diameter(mm)
1. Inner Conductor	Copper Clad Aluminum	2.74
2. Dielectric	Physical Foam Polyethylene	7.24
3. Outer Conductor	Bonded Aluminum Foil + Tinned Copper Braid	8.10
4. Jacket	Polyethylene(PE) or Fire Retardant PE *	10.29

* Low Smoke Halogen Free Fire Retardant polyethylene.

主要电气性能 Electrical Characteristics Mechanical and Environmental Characteristics:

Item	Specification		
Capacitance(pF/m)	78	Min. Bend Radius(mm)	125mm
Impedance(ohm)	50	Storage Temp.(°C)	-40 to +80
Velocity(%)	85	Installation Temp. (°C)	-40 to +80
Inner Conductor DC Resistance(Ω/km)	4.69	Operating Temp.(°C)	-40 to +80
Outer Conductor DC Resistance(Ω/km)	5.61		
Shielding Effectiveness(dB)	>90		
VSWR	30-6000MHz	≤1.20	(Return loss) ≥20.8 dB

衰减及功率系数 Attenuation and Avg. Power(20°C):

Frequency(MHz)	Attenuation(dB/100m)	Avg. Power(KW)	Product Picture (GT-LMR400,GT-LMR400FR)
30 MHz	2.49	3.33	
50 MHz	3.18	2.57	
150 MHz	4.92	1.47	
220 MHz	6.23	1.20	
450 MHz	8.86	0.83	
900 MHz	12.81	0.58	
1500 MHz	16.71	0.44	
1800 MHz	18.40	0.40	
2000 MHz	19.40	0.37	
2500 MHz	22.00	0.33	
3000 MHz	24.60	0.30	
4000 MHz	28.87	0.28	
6000 MHz	36.42	0.21	



All specifications are subject to change without notice.

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GT-LMR500 RF COAXIAL CABLE (30-6000MHz)



Telecommunication Technology & Engineering Accessories

Rev.V1.3

电缆结构 Construction Specification:

Item	Material	Diameter(mm)
1. Inner Conductor	Copper Clad Aluminum	3.61±0.02
2. Dielectric	Physical Foam Polyethylene	9.40±0.15
3. Outer Conductor	Bonded Aluminum Foil + Tinned Copper Braid	9X24X0.16A
4. Jacket	Polyethylene(PE) or Fire Retardant PE *	12.70±0.20

* Low Smoke Halogen Free Fire Retardant polyethylene.

主要电气性能 Electrical Characteristics Mechanical and Environmental Characteristics:

Item	Specification		
Capacitance(pF/m)	77.5	Min. Bend Radius(mm)	200
Impedance(ohm)	50	Storage Temp.(°C)	-40 to +80
Velocity(%)	86	Installation Temp. (°C)	-40 to +80
Inner Conductor DC Resistance(Ω/km)	2.70	Operating Temp.(°C)	-40 to +80
Outer Conductor DC Resistance(Ω/km)	4.20		
Shielding Effectiveness(dB)	>90		
VSWR	30-6000MHz	≤1.20	(Return loss) ≥20.8dB

衰减及功率系数 Attenuation and Avg. Power(20°C):

Attenuation(dB/100m)	Typical	Max	Product Picture (GT-LMR500 ,GT-LMR500FR)
30 MHz	1.968503937	2.165354331	
50 MHz	2.395013123	2.624671916	
150 MHz	3.904199475	4.297900262	
220 MHz	4.757217848	5.249343832	
450 MHz	6.88976378	7.545931759	
900 MHz	10.17060367	11.15485564	
1500 MHz	13.45144357	14.76377953	
2000 MHz	16.07611549	17.71653543	
2500 MHz	18.37270341	20.34120735	
3000 MHz	20.34120735	22.30971129	
4500 MHz	21.65354331	23.45800525	
5250 MHz	25.0984252	27.55905512	
5800 MHz	27.42782152	30.18372703	
6000 MHz	29.06824147	31.82414698	



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GT-LMR600 RF COAXIAL CABLE (30-6000MHz)



Telecommunication Technology & Engineering Accessories

Rev.V1.3

电缆结构 Construction Specification:

Item	Material	Diameter(mm)
1. Inner Conductor	Copper Clad Aluminum	4.47
2. Dielectric	Physical Foam Polyethylene	11.56
3. Outer Conductor	Bonded Aluminum Foil + Tinned Copper Braid	11.71
4. Jacket	Polyethylene(PE) or Fire Retardant PE *	14.99

* Low Smoke Halogen Free Fire Retardant polyethylene.

主要电气性能 Electrical Characteristics Mechanical and Environmental Characteristics:

Item		Specification		
Capacitance(pF/m)		76	Min. Bend Radius(mm)	200
Impedance(ohm)		50	Storage Temp.(°C)	-40 to +80
Velocity(%)		87	Installation Temp. (°C)	-40 to +80
Inner Conductor DC Resistance(Ω/km)		1.74	Operating Temp.(°C)	-40 to +80
Outer Conductor DC Resistance(Ω/km)		5.75		
Shielding Effectiveness(dB)		>90		
VSWR	30-6000MHz	≤1.20	(Return loss)	≥20.8dB

衰减及功率系数 Attenuation and Avg. Power(20°C):

Frequency(MHz)	Attenuation(dB/100m)	Avg. Power(KW)	Product Picture (GT-LMR600 ,GT-LMR600FR)
30 MHz	1.60	5.51	
50 MHz	1.97	4.24	
150 MHz	3.20	2.41	
220 MHz	3.80	1.97	
450 MHz	5.60	1.35	
900 MHz	8.20	0.93	
1500 MHz	10.80	0.70	
1800 MHz	12.10	0.63	
2000 MHz	12.80	0.59	
2500 MHz	14.80	0.52	
3000 MHz	16.40	0.49	
4000 MHz	19.36	0.45	
6000 MHz	24.93	0.32	



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