

RG 同轴线缆

RG COAXIAL CABLE



中天射频电缆有限公司

ZHONGTIAN RADIO FREQUENCY CABLE CO.,LTD

地址：江苏省南通经济技术开发区齐心路105号 P.C.:226015

Add:105 Qixin Rd, ETD Zone, Nantong, Jiangsu, China

Tel:+86-513 83599666 Fax:+86-513 83599696

[Http://www.chinaztt.com](http://www.chinaztt.com)

E-mail:rf@chinaztt.com



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ZHONGTIAN RADIO FREQUENCY CABLE CO.,LTD

RG Coaxial Cable

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Company Profile

Zhongtian Radio Frequency Cable Co., Ltd. was established in 2004, It is a wholly owned subsidiary of Jiangsu Zhongtian Technology Co., Ltd., The registered capital is 500 million yuan, The factory is located at Nantong Economic & Technological Development zone, Jiangsu province, and only one hour drive from Shanghai Hongqiao International Airport

The company focused on mobile communication with high temperature coaxial cable, radio frequency coaxial cable, leaky coaxial cable, hybrid cable and High temperature resistant installation cables for communication control, railway signal cable, data cable, etc., and related auxiliary materials of its' R&D, production and sales.

The company provides semi-flexible, semi-rigid, RG series, low-loss phase-stable cables and other types of high-temperature coaxial cables. The company introduces the latest PTFE extrusion lines and winding machines from world-renowned cable equipment manufacturers, and establishes a professional R&D team to improve Product quality, serving the domestic and international mobile communications and electronics markets.

Leaky cable is the first brand in China and one of the world's international brands. It has passed railway administrative license and railway CRCC certification, and presided over the formulation of communication industry standards of radiation leaky cable. With strong product compatibility, low system loss, small fluctuations in field strength, and uniform radiation, the urban railway market share is close to 50%.

RG cable is widely used in CATV, satellite, HFC network transmission system, terminal user distribution system, It also can be used in the wideband network transmission of data, such as television, telephone and computer communications system.

RF cables are the mainstream suppliers of communication operators and have been ranked among the top three in China for a long time.

The company has a 3G/4G/5G RF cable engineering technology research center, with the largest analog tunnel and free space large-scale automatic two-way electromagnetic simulation test environment in China.

Jiangsu Zhongtian Technology Co., Ltd. was listed on the Shanghai Stock Exchange as the "first share of China's special optical cable" on October 24, 2002. Now it has become a tens of billion-level national key high-tech enterprise with the three main industries of power grids, communications and new energy.

Enterprise Honor



RG Cable Solutions

RG cable is widely used in CATV, satellite, HFC network transmission system, terminal user distribution system, It also can be used in the wideband network transmission of data, such as television, telephone and computer communications system.

RG Cable Solutions



Satellite



CATV



Video & Audio system



Radar

Braiding type coaxial cable 75Ω/ 50Ω:

This series of cables adopt braiding and longitudinal wrapping technology for outer conductor, and are widely used in CATV, satellite receiving, HFC network transmission system, end user distribution system, as well as data transmission, television, telephone, computer and other communication systems in broadband network.



Model No.	RG 59	RG 6	RG 11
Inner conductor (mm)	0.81	1.02	1.63
Dielectric (mm)	3.66	4.57	7.11
Outer conductor (mm)	4.50	5.41	8.71
Jacket (mm)	6.10	6.93	10.40
Messenger(mm)	1.30	1.30	1.83
Braiding coverage	60%-95%	60%-95%	60%-95%
Capacitance(nF/km)	50±3	50±3	50±3
Impedance(Ω)	75±3	75±3	75±3
Velocity (%)	83	83	84
Frequency (MHz)	Attenuation (dB/100m)		
5	2.82	1.90	1.25
55	6.73	5.25	3.15
211	12.47	10.00	6.23
250	13.45	10.82	6.72
300	14.60	11.64	7.38
350	15.75	12.63	7.94
400	16.73	13.61	8.3
450	17.72	14.43	9.02
500	18.70	15.29	9.51
550	19.52	16.08	9.97
750	22.87	18.54	11.97
870	24.85	20.04	13.31
1000	26.64	21.49	14.27
1450	32.22	25.89	17.36
750	35.83	28.67	19.52
2050	38.78	31.04	21.13
2250	40.62	32.51	22.18
2500	42.81	34.25	23.36
3000	46.92	37.53	25.62

RG 58

Test Item	Standard specification	Measured
Construction Specification		
Inner Conductor Tin-plated copper stranded wire	19*0.18mm+/-0.013mm	19*0.18mm
Dielectric Solid PE	2.95+/-0.1mm	2.96mm
Outer Conductor	16×7/0.12 H=20+/-2mm	16×7/0.12 H=20
Jacket ROHS PVC	4.85+/-0.15mm	4.87mm
Electrical Characteristics		
Capacitance Pf/m	100+/-5 PF/m	100.2
Impedance ohm	50 Ohm+/-2	50.4
Velocity %	66%	66.00%
Bending radius once	25mm	25mm
Max. operating voltage KVrms	1.5KVrms	1.5KVrms
Max. operating frequency	3000MHZ	3000MHZ
VSWR	1.25	1.16
Mechanical and Environmental Characteristics		
Operating Temp. (°C)	-25-80	-25-80
ROHS	Yes	Yes
Attenuation (20℃)		
FREQ(MHz)	(dB)	(dB)
200MHz	25.20	22.15
400MHz	36.40	31.76
900MHz	53.20	49.56
1800MHz	76.00	74.36
2000MHz	80.50	79.12
2500MHz	96.20	90.09
3000MHz	117.60	100.8

Maximum value shall be 105% of the nominal value.

RG 8

Construction Specification		
Item	Material	Diameter(mm)
1. Inner Conductor	Copper Clad Aluminum	2.74±0.03
2. Dielectric	Foam PE	7.24±0.13
3. Outer conductor 1	Bonded Aluminum foil	27mm
Outer conductor 2	Al-Mg braid	0.12x8x24 H=25mm
4. Jacket	PE or LSZH	10.16±0.20
5.Jacket color	Black	
6.Length tolerance	±0.3%	
Electrical Characteristics		
Capacitance(pF/m)	Nom.78	
Impedance(ohm)	50±2	
Velocity(%)	85	
Dielectric resistance（MΩ·km）	5000	
Dielectric strength（KV）	2.5	
Jacket Spark Test Voltage(KV)	5.0	
Mechanical and Environmental Characteristics		
Operating Temp.（℃）	-15 to 80	
Bending radius once（mm）	25.4	
Flexible application radius（mm）	101.16	
Jacket Tensile（Mpa）	9	
Jacket Elongation（%）	125	
Attenuation（20℃）		
Frequency/(MHz)	Nominal Attenuation/(dB/100m)	
30	2.20	
50	2.90	
150	5.00	
220	6.10	
450	8.90	
900	12.80	
1500	16.80	
1800	18.60	
2000	19.60	
2500	22.20	
3000	24.80	
5800	35.50	
VSWR/ 5-3000MHz	≤1.30	

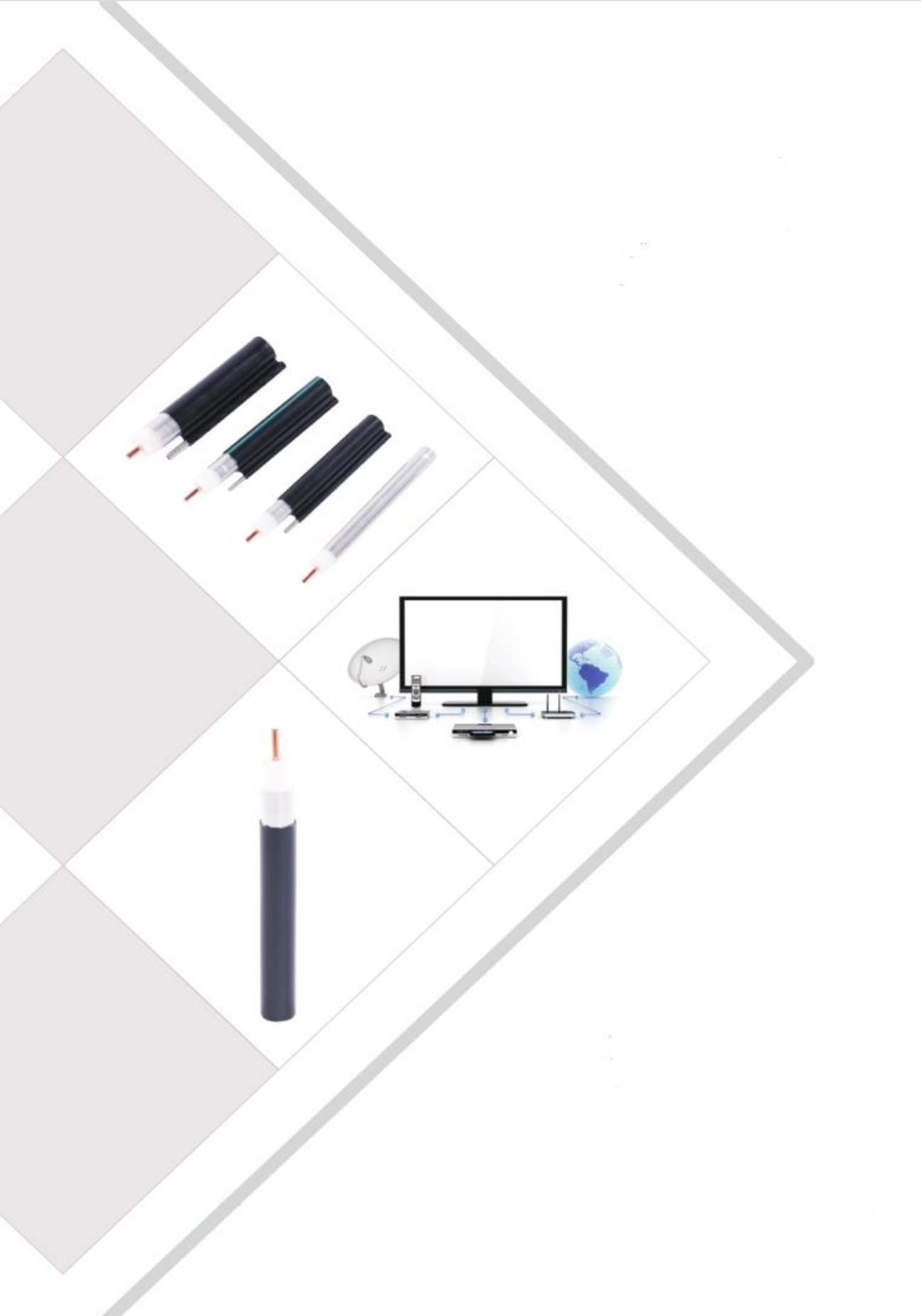
Maximum value shall be 105% of the nominal value.

Aluminum trunk cable series:

This series of cable adopts the integral extrusion process for aluminum tube outer conductor, which is mainly used as CATV trunk line project and signal transmission line.



Model No.	LB412	LB500	LB565	LB625	LB750
Inner conductor Dia (mm)	2.26	2.77	3.28	3.48	4.24
Dielectric (mm)	9.19	11.43	13.20	14.35	17.7
Outer conductor Dia (mm)	10.46	12.70	14.35	15.88	19.05
Jacket (mm)	12.07	14.22	15.86	17.40	20.83
Messenger(mm)	2.77	2.77	2.77	2.77	4.78
Capacitance(nF/km)	50±3	50±3	50±3	50±3	50±3
Impedance(Ω)	75±2	75±2	75±2	75±2	75±2
Velocity(%)	87	87	87	87	87
Frequency (MHz)	Attenuation (dB/100m)				
5	0.65	0.52	0.46	0.43	0.36
55	2.26	1.77	1.54	1.51	1.21
211	4.62	3.58	3.12	3.02	2.43
250	5.05	3.94	3.38	3.28	2.66
300	5.57	4.30	3.71	3.54	2.92
350	6.13	4.69	4.04	3.87	3.18
400	6.46	5.02	4.33	4.17	3.45
450	6.92	5.35	4.59	4.43	3.67
500	7.34	6.67	4.89	4.69	3.87
550	7.71	6.27	5.12	5.18	4.30
750	9.12	7.09	6.07	5.84	4.86
870	9.87	7.68	6.56	6.33	5.28
1000	10.73	8.27	7.12	6.79	5.71



Model No.	LB540	LB715	LB860
Inner conductor Dia (mm)	3.15	4.22	5.16
Dielectric (mm)	13.03	17.42	21.03
Outer conductor Dia (mm)	13.72	18.16	21.84
Jacket (mm)	15.49	19.94	24.38
Messenger(mm)	2.77	4.78	4.78
Capacitance(nF/km)	50±3	50±3	50±3
Impedance(Ω)	75±2	75±2	75±2
Velocity(%)	87	87	87
Frequency (MHz)	Attenuation (dB/100m)		
5	0.46	0.36	0.30
55	1.54	1.18	1.05
211	3.12	2.43	2.10
250	3.38	2.66	2.30
300	3.71	2.92	2.49
350	4.03	3.18	2.72
400	4.33	3.44	2.89
450	4.59	3.67	3.12
500	4.89	3.90	3.28
550	5.12	4.10	3.48
750	6.07	4.89	4.07
870	6.56	5.31	4.36
1000	7.12	5.74	4.72

Quality assurance

All the test instruments for manufacturing are advanced equipment which adopted from home and abroad, and they are including Network analyzer, Digital LCR meter, Digital multimeter, High resistance meter, Milliohm meter, Dielectricity tester, Project profile analyzer, Spectrum analyzer and Signal generator, Anechoic chamber.

Excellent Test Facilities



After-sales service commitments

售后服务承诺

致客户：

中天射频以优质的产品和热忱周到的服务，得到广大用户的一致好评。

我们对中天射频产品销售服务做出如下承诺：

- 卖方认真履行合同规定的各项条款，欢迎客户工厂现场监造。
- 卖方将按客户要求准时交付或送货。
- 卖方按合同要求，遵从客户通知，派专业技术人员对产品的测试安装进行指导。
- 卖方应邀对客户施工人员进行培训交流。
- 在保修期内，无偿更换因原材料缺陷及制造工艺等问题而引发故障的产品。
- 客户产品发生运行事故，无条件配合维护和排除故障，之后再落实相应责任。
- 接到用户需要服务的信息，4 小时反馈，24 小时抵达现场（偏远地区除外）。
- 服务热线：13862832770 400-100-5252

Dear Customer:

Zhongtian Radio Frequency Cable Co., Ltd taking as its high quality and zealous service have obtained widespread praises from the customer.

The following are the main commitments on our products:

- The seller will perform the contract exactly as per each clause,,Welcome customers visit factory for inspection.
- The seller will guarantee the lead time as per customer request.
- The buyer will arrange the special person which is responsible for the products test and installation as customer request.
- The seller could hold the training to the worker as customer request.
- During the warranty time,it will be free for changing the cables which the problems arising from shortage of the raw material or the manufacturing procedure.
- Once the product accident occurred,the seller will responsible for maintenance works firstly,the reasons will be analyzed subsequently.
- When received customer service requirement,feedback within 4 hours,arriving at 24 hours (exclusive the remote area).
- Service line:13862832770 400-100-5252

