

# Product Specifications

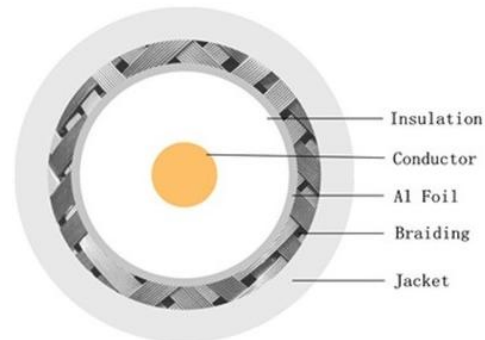


## LMR100 COAXIAL CABLE



### Standard

- GY/T 135—1998
- GB/T14864
- ROHS 2011/65/EU



### Application

- RF signal transmission
- MATV, CATV, CCTV
- Digital video applications
- Drop in broadcast
- Satellite systems

### Specification

- |                   |                 |                                |
|-------------------|-----------------|--------------------------------|
| ■ Inner Conductor | BC/CCS          | $\Phi 0.46 \pm 0.01 \text{mm}$ |
| ■ Insulation      | PE              | $\Phi 1.52 \pm 0.05 \text{mm}$ |
| ■ Aluminum Mylar  | Al Foil         |                                |
| ■ Braiding        | 50%-95%AL/BC/TC |                                |
| ■ Jelly           | Yes/No          |                                |
| ■ Outer Sheath    | PVC             | $\Phi 2.79 \pm 0.05 \text{mm}$ |

### Electrical Performance (20 °C)

- |  |                                |
|--|--------------------------------|
| ■ Impedance: $50 \pm 3 \text{ Ohm}$      | ■ Sparker Test: 4000VAC        |
| ■ Capacitance: $101.1 \pm 3 \text{pF/m}$ | ■ Velocity Of Propagation: 66% |
| ■ Return Loss: 20dB min (5-2300MHz)      |                                |



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## *Electrical Characteristics (20 °C)*

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Frequency (MHz)	30	50	150	220	450	900	1500	1800	2000	2500	5800
Maximum (dB/100ft)	3.9	5.1	8.9	10.9	15.8	22.8	30.1	33.2	35.2	39.8	64.1
Maximum (dB/100m)	12.9	16.7	29.4	35.8	51.9	74.9	98.7	109.0	115.5	130.6	210.3

## *Thermal Characteristics*

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- For fixed installation: -20°C up to +60°C
- For mobile installation: 0°C up to +50°C