



CB-0106AMWA

LINK AMERICAN STANDARD

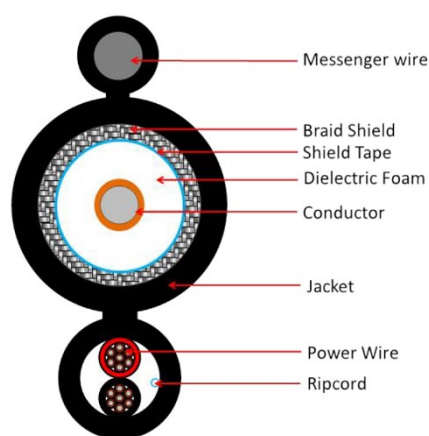
## RG6 COAXIAL CABLE

ADVANCE GRADE, SHIELD 95% with Messenger wire & Power wire

### Scope of Application

LINK Coaxial Cable was designed for CCTV, MATV, TV Cable RF Signal Transmission and etc., Which conductor made from Copper Covered Steel and braiding made from Aluminum for best performance of signal access and best protection from noise, produced according to MIL-C-17F, MIL-C-17G, ANSI/TIA-568-C.4. Suitable for aerial installation with messenger wire.

### Drawing



### Technical Standard

- ANSI/TIA-568-C.4
- MIL-C-17F
- MIL-C-17G
- UL Communication Cable
- RoHS Compliant

### Application

- Analog CCTV
- HD CCTV
- Ethernet Over Coaxial
- CATV, MATV, HDTV
- TV Cable
- RF Signal



## Cable Construction

<b>Conductor</b>	<b>Diameter</b>	1.02 mm (18AWG)		
	<b>Material</b>	Copper Covered Steel		
<b>Insulation (Dielectric)</b>	<b>Diameter</b>	4.57 ±0.1 mm		
	<b>Material</b>	Foam Polyethylene		
<b>Shielded</b>	<b>Braid Wire</b>	<b>Material</b>	Aluminum	
		<b>Wire no. x Diameter</b>	144 x 0.12 mm.	
	<b>Coverage</b>	95%		
	<b>Shield Tape</b>	<b>Material</b>	AL/P-Foil (Bonded)	
		<b>Thickness</b>	0.025 mm.	
<b>Coverage</b>	100%			
<b>Power wire</b>	<b>Inner Conductor</b>	<b>No. of Conductor</b>	2	
		<b>Diameter</b>	1.02 mm (18 AWG)	
	<b>Insulation</b>	<b>Material</b>	Stranded Copper Clad Aluminum (7 x 0.4 mm)	
		<b>Color</b>	Red, Black	
		<b>Material</b>	PE	
<b>Ripcord</b>	Polyester yarn			
<b>Messenger Wire</b>	<b>Material</b>	Galvanize Steel		
	<b>Diameter</b>	1.3 mm		
<b>Jacket</b>	<b>Cable Diameter</b>	6.86 ±0.15 mm.		
	<b>Overall Diameter</b>	13.86 ±0.15 mm		
	<b>Material</b>	PE		
	<b>Color</b>	Black		

## ELECTRICAL CHARACTERISTIC

<b>Characteristic Impedance</b>	75 Ohm	
<b>Capacitance</b>	52 pF/m	
<b>Velocity Ratio</b>	> 82%	
<b>DCR Inner Conductor</b>	< 92 Ohm/km @20°C	
<b>DCR Shield</b>	< 29 Ohm/km @20°C	
<b>Insulation resistance</b>	> 10,000 MΩ/km	
<b>Dielectric Strength</b>	2500 VAC	
<b>Jacket Sparker</b>	4000 VAC	
<b>Return Loss</b>	<b>5-470 MHz</b>	> 25.00 dB
	<b>470-1000 MHz</b>	> 23.00 dB
	<b>1000-2000 MHz</b>	> 20.00 dB
<b>Screening factor at</b>	<b>VHF</b>	80 dB
	<b>UHF</b>	75 dB

## PHYSICAL PROPERTIES

<b>Max. Pulling Tension</b>	470 N	
<b>Min. Bending Radius</b>	<b>Installation</b>	10 x Cable Diameter
	<b>Operation</b>	4 x Cable Diameter
<b>Temperature</b>	<b>Storage/Operation</b>	-20°C to 75°C
	<b>Installation</b>	0°C to 60°C



## ATTENUATION PERFORMANCE

Frequency (MHz)	Attenuation (dB/100m)
1	1.00
5	1.60
10	2.30
50	4.60
100	6.50
200	9.50
300	11.30
400	13.10
460	14.44
700	17.20
800	18.23
870	19.50
1000	21.30
1450	25.80
1750	28.67
2000	30.64
2200	33.21
2500	34.25
3000	37.53

## Order Information

Part number	Description	Color	Length	Package
CB-0106AMWA	RG6 COAXIAL CABLE, ADVANCE GRADE, SHIELD 95% with Messenger wire & Power wire, Outdoor	Black	500 m	Roll