



CB-0106APWA

CB-0106APWA-1

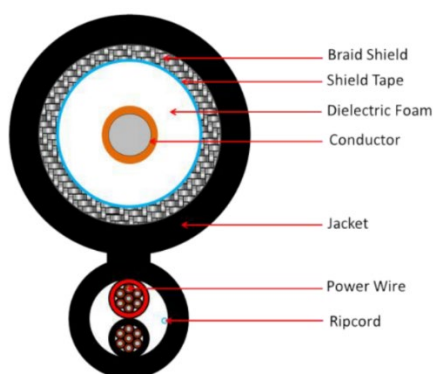
RG6 COAXIAL CABLE

ADVANCE GRADE, SHIELD 95% with Power wire, Outdoor

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.

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

Conductor	Diameter	1.02 mm (18AWG)		
	Material	Copper Covered Steel		
Insulation (Dielectric)	Diameter	4.57 ±0.1 mm		
	Material	Foam Polyethylene		
Shielded	Braid Wire	Material	Aluminum	
		Wire no. x Diameter	144 x 0.12 mm.	
		Coverage	95%	
	Non-Hygroscopic Tape	Material	AL/P-Foil (Bonded)	
		Shield Tape	Thickness	0.025 mm.
		Coverage	100%	
Power wire	Inner Conductor	No. of Conductor	2	
		Diameter	1.02 mm (18 AWG)	
		Material	Stranded Copper Clad Aluminum (7 x 0.4 mm)	
	Insulation	Color	Red, Black	
		Material	PE	
Jacket	Ripcord	Polyester yarn		
	Cable Diameter	6.86 ±0.15 mm.		
	Overall Diameter	11.56 ±0.15 mm		
	Material	PE		
	Color	Black		

ELECTRICAL CHARACTERISTIC

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

PHYSICAL PROPERTIES

Max. Pulling Tension	470 N	
Min. Bending Radius	Installation	10 x Cable Diameter
	Operation	4 x Cable Diameter
Temperature	Storage/Operation	-20°C to 75°C
	Installation	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	9.28
300	11.30
400	13.10
460	15.00
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-0106APWA	RG 6/U Outdoor, 95% Shield, Black w/CCA Power Wire	Black	500 m	Roll
CB-0106APWA-1	RG 6/U Outdoor, 95% Shield, Black w/CCA Power Wire	Black	100 m	Reel in Box