



CB-0106AWB

CB-0106AWB-1

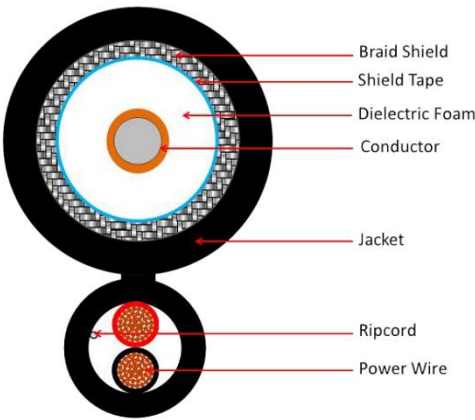
LINK AMERICAN CABLING



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 ±0.13 mm	
	Material	Foam Polyethylene	
Shielded	Braid Wire	Material	Aluminum
		Wire no. x Diameter	144 x 0.12 mm.
		Coverage	95%
	Shield Tape	Material	AL/P-Foil (Bonded)
		Thickness	0.025 mm.
		Coverage	100%
Power wire	Inner Conductor	No. of Conductor	2
		Diameter	0.81 mm (20 AWG)
		Material	Stranded Bare Copper (16 x 0.2mm)
	Insulation	Color	Red, Black
		Material	PE
		Diameter	2.0 ±0.2mm
Jacket	Ripcord	Polyester yarn	
	Cable Diameter	6.86 ±0.20 mm.	
	Overall Diameter	13.0 ±0.30 mm	
	Material	PVC	
	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	
power cable resistance	≤ 36 Ω/km	
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	2.30
10	2.86
50	5.15
100	6.50
200	9.28
300	11.65
400	13.62
460	15.00
700	17.72
800	18.23
870	20.02
1000	21.49
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-0106AWB	RG6/U, 95% Shielded, Black w/Copper Power Wire	Black	500 m	Roll
CB-0106AWB-1	RG6/U, 95% Shielded, Black w/Copper Power Wire	Black	100 m	Easy Box

Specifications subject to change without notice.

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