



CB-0106A

CB-0106A-1

CB-0106A-WH

CB-0106A-1WH

LINK AMERICAN STANDARD



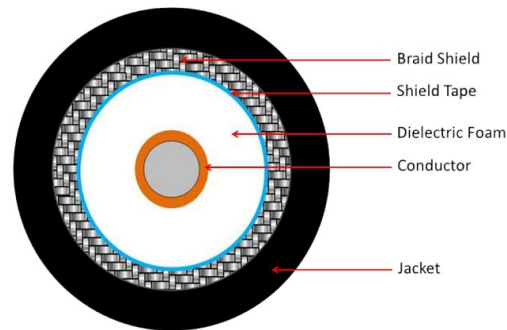
RG 6 COAXIAL CABLE

ADVANCE GRADE, SHIELD 95%, Indoor

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% | | |
| | Shield Tape | Material | AL/P-Foil (Bonded) | |
| | | Thickness | 0.025 mm. | |
| Coverage | 100% | | | |
| Jacket | Cable Diameter | 6.86 ±0.15 mm. | | |
| | Material | PVC | | |

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 (68.6 mm) |
| | Operation | 4 x Cable Diameter (27.44 mm) |
| 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 | 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-0106A | RG6 COAXIAL CABLE, ADVANCE GRADE, SHIELD 95%, Indoor | Black | 500 m | Reel in Box |
| CB-0106A-WH | RG6 COAXIAL CABLE, ADVANCE GRADE, SHIELD 95%, Indoor | White | 500 m | Reel in Box |
| CB-0106A-1 | RG6 COAXIAL CABLE, ADVANCE GRADE, SHIELD 95%, Indoor | Black | 100 m | Easy Box |
| CB-0106A-1WH | RG6 COAXIAL CABLE, ADVANCE GRADE, SHIELD 95%, Indoor | White | 100 m | Easy Box |