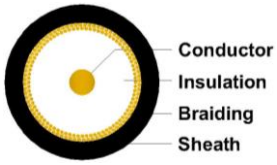
C2010066111 (RG59LC/H-12A)

# 75ohm Flexible Coaxial Cable RG59 22AWG, PVC Sheath




## DESCRIPTION

22AWG Stranded PACW, Foam PE Insulation, PACW Braiding 92% Coverage, PVC Sheath.

## APPLICATION

For CATV/MATV, Broadband, HDTV and Satellite Broadcasting Transmission use.

## APPLICABLE STANDARD

- EU RoHS Complies 2011/65/EU
- UL 758 ; File No. E104496
- AWM Style 1354

## CONSTRUCTION

### Conductor

| | |
|---|---|
| Material : | Plain Annealed Copper Wire |
| Size : | 22AWG |
| Construction : | Stranded (O.D 0.8mm) |

### Insulation

| | |
|---|---|
| Material : | Foam PE |
| Nominal O.D : | 3.5mm |

### Braiding

| | |
|---|---|
| Material : | Plain Annealed Copper Wire Braiding, 92% Coverage |

# C2010066111 (RG59LC/H-12A)

# 75ohm Flexible Coaxial Cable RG59 22AWG, PVC Sheath

## Sheath

| | |
|---|---|
| Material : | PVC |
| Nominal O.D : | 5.6mm |
| Color : | Black |

## PHYSICAL PROPERTIES

| | |
|---|---|
| Operating Temperature (Flexing) | -15°C to 80°C |
| Operating Temperature (Fixed) | -30°C to 80°C |
| Min. Bend Radius | 56mm |
| Flame Test | UL1581 FT-1 |
| Sheath Printing | SAMSON RG59LC(H-12A) 75 OHM COAXIAL CABLE - E104496 AWM 1354 80℃ 30V FT-1 |

## ELECTRICAL PROPERTIES

| | |
|---|---|
| Rated Voltage | 30V |
| Max. Conductor DC Resistance @20°C | 52.5Ω/km |
| Max. Outer Conductor DC Resistance @20°C | 13.2Ω/km |
| Min. Insulation Resistance | 1000MΩ.km |
| Voltage test : Core to Shielding | 1000V a.c/1min |
| Nom. Velocity of Propagation | 80% |
| Nom. Characteristic Impedance | 75±3Ω (10MHz) |
| Nom. Capacitance | 55±2pF/m (1kHz) |
| Return Loss | >20dB (300MHz~1GHz) |

Nom. Attenuation (dB/100m)

| (MHz) | 1 | 5 | 10 | 50 | 100 | 200 | 400 | 600 | 800 | 1000 |
|---|---|---|---|---|---|---|---|---|---|---|
| (dB) | 1.1 | 2.5 | 3.8 | 7.3 | 10.8 | 15.1 | 21.8 | 27.2 | 31.9 | 36.0 |