



**HOSIWELL**

Worldwide leading cable manufacturer

Coaxial Cable

## RG 59 Coaxial Cable 75 Ohm Type Flexible Copper Clad Aluminum Braid 95% Coverage Cable for CCTV Application



As a premium coaxial cable manufacturer, Hosiwell manufactures the RG 59 Type flexible coaxial cables Series in best quality. Hosiwell RG 59 Type flexible coaxial cable become the standard for used in Professional video applications, Closed-Circuit Television (CCTV) or serial digital interface (SDI) signals, has a stranded bare copper wire conductor. Outer shield of copper clad aluminum braid wire, typically with low coverage about 95%. RG 59 can be used as Analog Video Cable with Standard Transmission distance up to 300 meter.

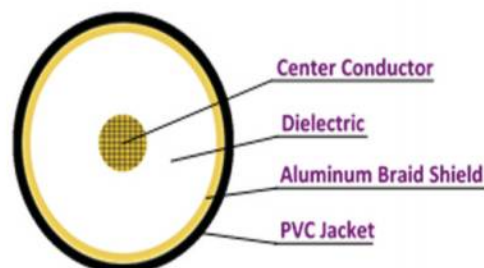
### CABLE CONSTRUCTION

P/N F-RG-59/US

Conductor	22 AWG Stranded Bare Copper Wire (19/0.16mm)
Insulation	Gas Expanded Polyethylene
Shielding ( Coverage 95%)	Copper Clad Aluminum Braid Wire
Outer Jacket, Colour	PVC, White/Black

### PHYSICAL CHARACTERISTICS

Center Conductor Diameter	0.81 mm
Insulation Thickness	3.71 ± 0.03 mm
Braid Wire Diameter	0.12 mm
No. of Braid Wire	144
Braid Wire Coverage	95 %
Outer Jacket thickness	0.97 mm
Outer Jacket Diameter	6.15 ± 0.20 mm
Max. Recommended Pulling Tension	372 N
Min. Bending Radius Minor Axis	18.55 mm
Operation Temperature	-20°C to 75°C



### COMPLIANCE

- UL Standard UL 758 type 1354
- UL 1685 Vertical Tray
- UL Approvals E131077

### ELECTRICAL CHARACTERISTICS

Characteristic Impedance	75.0 ± 3.0 Ω
Capacitance	56.8 pf/m
Center Conductor DCR	< 34 Ω/km
Velocity of Propagation	78 %
Return Loss ( 5-6000 MHz)	18 dB

### JACKET CHARACTERISTICS

Flame Retardant PVC Jacket  
Standard Lengths are : 1000 feet (305 meter)

Marking on cable surface : HOSIWELL CABLE RG-59/US TYPE CCTV / VIDEO CABLE F-RG-59/US E131077  
AWM 1354 60°C 30V 1C 22 SHIELDED 95%

### APPLICATIONS

For Professional video applications, Closed-Circuit Television (CCTV) or serial digital interface (SDI) RG 59 can be used as Analog Video Cable





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**ATTENUATION : @ 68 °F ( 20°C)**

@ Frequency MHz	dB/100 ft ( Max.)	dB/100 meters (Max.)
1 MHz	0.3 dB	1.0 dB
10 MHz	0.8 dB	2.6 dB
50 MHz	1.8 dB	5.9 dB
100 MHz	2.7 dB	8.9 dB
200 MHz	4.5 dB	14.8 dB
400 MHz	6.6 dB	21.7 dB
700 MHz	8.9 dB	29.2 dB
900 MHz	10.1 dB	33.1 dB
1000 MHz	10.9 dB	35.8 dB

**ORDERING INFORMATION**

F-RG-59/US : RG 59 Coaxial Cable 75 Ohm Type Flexible Copper Clad Aluminum Braid 95% Coverage Cable