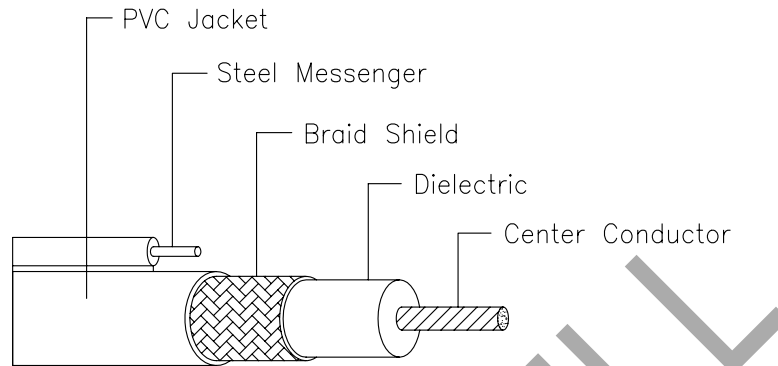


RevNo	Revision note	Date
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### CONSTRUCTION DETAILS

#### CENTER CONDUCTOR :

22AWG (19/0.16 mm) Stranded Bare Copper Wire  
Nominal Diameter 0.032" (0.81 mm)

#### DIELECTRIC :

Gas Expanded Polyethylene  
Nominal Diameter Over Dielectric : 0.146" (3.71 mm)

#### SHIELD :

Braid Shield 95% Coverage

#### JACKET :

Flexible Flame Retardant PVC Jacket  
Nominal Diameter Over Jacket : 0.242" (6.15 mm)  
Nominal Jacket Thickness : 0.038" (0.97 mm)

#### MESSENGER :

Nominal Diameter of Messenger : 0.051" (1.30 mm)  
Minimum Breaking Strength : 180 lbs. (82 kg)  
Nominal Diameter Overall for Messenger : 0.118" (3.00 mm)  
Nominal Jacket Thickness for Messenger : 0.033" (0.85 mm)

LISTING AND RATINGS : UL E131077 AWM 1354

### ELECTRICAL PROPERTIES :


Impedance : 75.0 ±3.0 Ohms

Velocity of propagation : 78.0% Nominal

Capacitance Conductor to Shield : 17.3 pF/ft (56.8 pF/m) Nominal

### 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

Designed by - date	Checked by - date	Approved by - date	Date 20/08/2009	Size A4	Scale -
 HOSIWELL TECHNOLOGY CO., LTD.			Part Name CCTV Coaxial Cable	Unit -	
			Part No. F-RG-59/US-M	Issued 1	
			Ref. No.	Sheet 1 of 1	
			Used On.		