

**CONSTRUCTION DETAILS**

**CENTER CONDUCTOR :**

20AWG Copper-Clad Steel  
Nominal Diameter 0.032" (0.81 mm)

**DIELECTRIC :**

Gas Expanded Polyethylene  
Nominal Diameter Over Dielectric : 0.144" (3.66 mm)

**SHIELD :**

1<sup>st</sup> Shield : Aluminum-Polypropylene-Aluminum  
Laminated Tape with Overlap Bonded to the Dielectric  
Nominal Diameter Over Tape : 0.150" (3.81 mm)  
2<sup>nd</sup> Shield : Aluminum Braid Wire 95% Coverage

**JACKET :**

Flame Retardant PVC Jacket  
Nominal Diameter Over Jacket : 0.240" (6.10 mm)  
Nominal Jacket Thickness : 0.032" (0.82 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 TYPE CATV

RevNo	Revision note	Date
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**ELECTRICAL PROPERTIES :**


Impedance : 75.0 ±3.0 Ohms

Velocity of propagation : 85.0% Nominal

Capacitance Conductor to Shield : 16.2 pF/ft (53.1 pF/m) Nominal

**ATTENUATION : @ 68 °F (20 °C)**

@ Frequency MHz	dB/100 ft. (MAX.)	dB/100 meters (MAX.)
5 MHz	0.86 dB	2.82 dB
55 MHz	2.05 dB	6.73 dB
83 MHz	2.45 dB	8.04 dB
187 MHz	3.60 dB	11.81 dB
211 MHz	3.80 dB	12.47 dB
250 MHz	4.10 dB	13.45 dB
300 MHz	4.45 dB	14.60 dB
350 MHz	4.80 dB	15.75 dB
400 MHz	5.10 dB	16.73 dB
450 MHz	5.40 dB	17.72 dB
500 MHz	5.70 dB	18.70 dB
550 MHz	5.95 dB	19.52 dB
600 MHz	6.20 dB	20.34 dB
750 MHz	6.97 dB	22.87 dB
865 MHz	7.52 dB	24.67 dB
1000 MHz	8.12 dB	26.64 dB

Designed by - date	Checked by - date	Approved by - date	Date 17/08/2009	Size A4	Scale -
 <b>HOSIWELL TECHNOLOGY CO., LTD.</b>			Part Name CATV/MATV Coaxial Drop Cable	Unit -	
			Part No. C-RG59-S95-M	Issued 1	
			Ref. No.	Sheet 1 of 1	
			Used On.		