

CONSTRUCTION DETAILS

CENTER CONDUCTOR :

18AWG Solid Bare Copper Wire
Nominal Diameter : 0.040" (1.02 mm)

DIELECTRIC :

Gas Expanded Polyethylene
Nominal Diameter Over Dielectric : 0.180" (4.57 mm)

SHIELD :

Braid Shield 95% Coverage

JACKET :

Flame Retardant PVC Jacket
Nominal Diameter over Jacket : 0.283" (7.20 mm)
Nominal Jacket Thickness : 0.042" (1.065 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


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.)
1 MHz	0.3 dB	1.0 dB
10 MHz	0.7 dB	2.3 dB
50 MHz	1.5 dB	4.9 dB
100 MHz	2.0 dB	6.6 dB
200 MHz	2.8 dB	9.2 dB
400 MHz	4.0 dB	13.1 dB
700 MHz	5.3 dB	17.4 dB
900 MHz	6.1 dB	20.0 dB
1000 MHz	6.5 dB	21.3 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-6/U-M	Issued 1	
			Ref. No.	Sheet 1 of 1	
			Used On.		