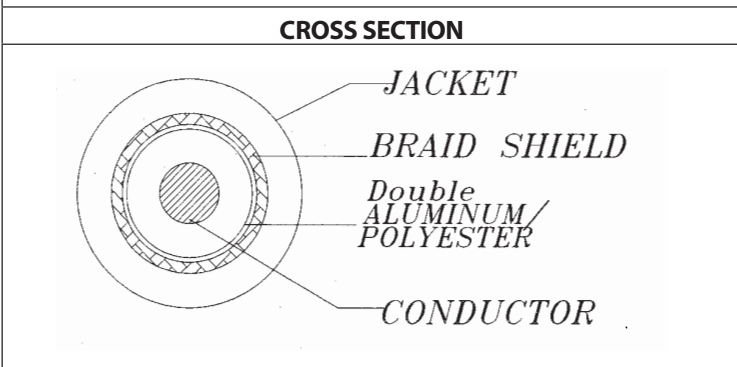


**PRODUCT SPECIFICATION:** RG-59/HDTV/Plenum



**MARKING**

Jacket marking (Black)  
 ICE CABLE SYSTEMS RG-59/HDTV/PLENUM HDTV SERIAL  
 DIGITAL E312434-22 C(UL)US TYPE CMP 75°C 20AWG XXXXFT  
 Sequential footmarks: Each put up marked from 1000-0 or  
 500-0 counting down.  
 eg: 1000FT, 0998FT,...0000FT. or 0500FT, 0498FT...0000FT.

**DESCRIPTION**

Rated Voltage (V)	300
Rated Temperature (°C)	75
Product Standard Certification	UL CMP
Flame Test	UL 910,NFPA 262,CSA FT6

**Application**  
 Telephone and other communication circuits such as voice, data, and  
 audio for on-premise customer systems.

**Reference Standard**  
 UL 444, & the customer's specification

**CONSTRUCTION**

<b>Conductor</b>	<b>Solid Bare Copper</b>
<b>Component:</b>	<b>1C</b>
AWG	20
NOM. Construction (mm)	1/0.81
NOM. Solid Dia. (mm)	0.81
<b>Insulation</b>	Foam FEP
Nom. Thickness (mm)	1.25
Insulation Dia. (±0.05mm)	3.43
<b>Shield</b>	Heat-Sealed Double Aluminum/Polyester
Coverage (%)	≥125%
<b>Braid Shield</b>	Tinned Copper
Construction(±0.007mm)	16/7/0 16T
Coverage (%)	≥95%
<b>Jacket:</b>	CMP-PVC
Nom.Thickness(mm)	0.41
<b>Outer Dia.</b> (±0.15mm)	5.26

**COLOR & PACKAGING**

Insulation:  
 Foam FEP: Nature

Jacket: Red

**PERFORMANCE**

Electrical Characteristics(20°C)	ATTENUATION	
Coaxial:	MHz	dB/100FT
DCR: 33.92(Ω/km)	1	0.30
Capacitance: 16.1 pF/FT	3.6	0.54
SRL:1-450 MHz 23dB	10	0.88
SRL:451-2400 MHz 15dB	71.5	2.16
Impedance: 75±3Ω	135	2.9
	270	4.16
	360	4.98
	720	7.61
	1000	9.31
	1200	10.37
	1450	11.70
	1800	13.27
	2500	16.18
	3000	18.24
	3500	20.21
	4000	22.11
	4500	23.95
Temperature:	-10°C to 60°C	
Velocity of Propagation:	84%	
<b>Mechanical Characteristics: Test Object</b>	<b>Jacket</b>	
Test Material	CMP-PVC	
Before Tensile Strength (kg/mm <sup>2</sup> )	≥1.05	

  
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Sample No.	-	Spec No.	59397-A
Revision	A		
Date	06/02/2010	Page	1 of 2
Designed by	Approved by		
BR	Brian Rizzo		

**REVISION HISTORY**