



03-05-04 Rev 0

V100177

I. Description:

Series 59, Duobond(R) IV - 95% Braid Head End Cable

II. Electrical Characteristics:

Impedance:	75 +/- 3 Ohms
Nom. Inductance:	.097 Micro-H/Ft
Nom. Capacitance Conductor to Shield:	16.2 pf/ft
Nom. Velocity of Propagation:	83%
Nom. Delay:	1.2 ns/ft
Attenuation:	

Maximum			
MHz	dB/100'	MHz	dB/100'
5	0.89	400	4.88
55	1.95	450	5.30
211	3.59	550	5.90
270	4.05	750	6.96
300	4.27	870	7.54
350	4.64	1000	8.09

Structural Return Loss:	5-1000 MHz, 20 dB Min.
Max. Operating Voltage:	300 V RMS
Nom. Conductor DC Resistance @ 20 Deg C:	25.8 Ohms/1000'
Nom. Shield DC Resistance @ 20 Degrees C:	6.6 Ohms/1000'

III. Physical Characteristics:

Temperature Rating:	-40 To +80 Degrees C
Nom. Weight/1000':	35 lbs
Min. Bending Radius:	2.5"
Max. Pulling Tension:	140 lbs
Conductor Material & Diameter:	20 AWG Solid Silver Plated Copper Covered Steel; .032"
Dielectric Material & Diameter:	Gas Injected Foam Polyethylene; .144"
Shield Type:	1st Layer - Bonded Duofoil 2nd Layer - 95% Aluminum Braid 3rd Layer - Duofoil Tape 4th Layer - 95% Aluminum Braid
Jacket Material & Diameter:	FR PVC; .270"
UL / NEC & CEC Rating:	CATV or CM
Flame Test:	UL-1581 Vertical Tray