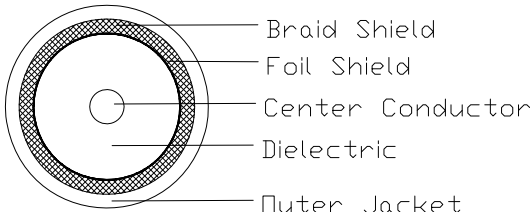



## Product Specification Sheet

**Catalog Number: 18-CMP-VID-COAX**

Construction Detail	Product Illustration																																															
																																																
Physical Construction	Description																																															
<b>Component 1:</b> Coax 18 AWG solid bare copper center conductor Foam FEP dielectric: .170-inch nominal diameter 100% Aluminum/Poly/Aluminum tape shield 95% 34 AWG tinned copper braid shield	Plenum rated RG6/U precision video coaxial cable for Analog audio/video, Digital audio/video, HDTV/SDI, Broadcast, Broadband video, Baseband video, and Headend applications. A superior one cable solution for all 75 Ω RG6 plenum applications.																																															
	Color Code																																															
	N/A																																															
	Electrical Specifications																																															
<b>Coaxial:</b> DCR: 6.4 Ω per 1000 feet DCR (shield): 2.29 Ω per 1000 feet Capacitance: 16.0 pF per foot Voltage: 300 Volts RMS Impedance: 75 ± 3 Ω Temperature: -10°C to 60°C VOP: 84% Nom. SRL 1-450 MHZ: 23dB SRL 451-850 MHZ: 21dB SRL 851-3000 MHZ: 15dB	<table><tr><th rowspan="2">Freq.</th><th colspan="2">Attenuation</th></tr><tr><th>dB/100FT</th><th>dB/100m</th></tr><tr><td>1</td><td>0.26</td><td>0.85</td></tr><tr><td>3.58</td><td>0.47</td><td>1.54</td></tr><tr><td>10</td><td>0.70</td><td>2.30</td></tr><tr><td>71.5</td><td>1.65</td><td>5.41</td></tr><tr><td>135</td><td>2.39</td><td>7.84</td></tr><tr><td>270</td><td>3.40</td><td>11.15</td></tr><tr><td>360</td><td>4.08</td><td>13.38</td></tr><tr><td>720</td><td>6.05</td><td>19.84</td></tr><tr><td>1000</td><td>7.45</td><td>24.44</td></tr><tr><td>1450</td><td>8.61</td><td>28.24</td></tr><tr><td>1800</td><td>10.35</td><td>33.95</td></tr><tr><td>2500</td><td>11.70</td><td>38.38</td></tr><tr><td>3000</td><td>13.07</td><td>42.87</td></tr><tr><td>4500</td><td>16.01</td><td>52.51</td></tr></table>	Freq.	Attenuation		dB/100FT	dB/100m	1	0.26	0.85	3.58	0.47	1.54	10	0.70	2.30	71.5	1.65	5.41	135	2.39	7.84	270	3.40	11.15	360	4.08	13.38	720	6.05	19.84	1000	7.45	24.44	1450	8.61	28.24	1800	10.35	33.95	2500	11.70	38.38	3000	13.07	42.87	4500	16.01	52.51
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<b>Final assembly:</b> Single coaxial cable PL-PVC jacket: .015-inch nominal thickness Final construction: .232-inch nominal OD Product Print Legend: <b>LWC 18-CMP-VID HDTV SERIAL DIGITAL 18 AWG CMP C(UL)US E190606 4.5 GHZ {Lot#}</b> Sequential footmarks are applied in conjunction with the print legend.	Regulatory Specifications																																															
	NEC rated CMP CEC rated CMP EU RoHS 2002/95/EC Compliant																																															
Specification Control	Product Information																																															
<b>Revision Date: 06/18/2009</b>  Liberty Wire & Cable specifications are subject to change without notice. Contact an account representative for current product specifications. Liberty Wire & Cable continuously strives to ensure product specifications are accurate and complete. All physical specifications are nominal.	<b>Jacket Colors:</b> Red, Green, Blue, White, Yellow, Black  <b>Packaging:</b> 1000 foot reels  <b>Special Instructions:</b> Plenum wire should be conditioned for 24 hours at room temperature prior to installation and never installed below 0°C ambient temperature																																															

Form Revision Date: 04/15/2004