

## Extra-flexible RG6 High Definition SDI Coax

### Features & Benefits

- Extra-flexible 4.5GHz Bandwidth
- Low Attenuation & Return Loss
- Precision 75Ω Impedance
- Gas-injected, Foam Polyethylene Dielectric
- Stranded Center Conductor
- Double-braid Shield
- 100% Sweep Tested
- Matte PVC Flexible Jacket

### Applications

- High Definition Video
- SDI Serial Digital Video
- Digital Audio (AES3id or SPDIF)
- High Resolution Analog Video
- Portable Cameras
- Patchcords

Extra-flexible, low-loss coax with a 4.5GHz bandwidth for uncompressed HDTV transmission. VHD2001M features a precision stranded center conductor, a unique double-braid shield, and a matte PVC jacket to achieve exceptional flexibility and flex-life without compromising the electrical performance required for HD video. For the insulating dielectric, VHD2001M utilizes a crush-resistant, gas-injected polyethylene compound that reduces attenuation and extends the operating bandwidth. As with all Gepco HD coax cables, every critical electrical and mechanical characteristics are manufactured to precision tolerances.



### Mechanical Specifications

Part #	# of Cond.	Nominal OD	Conductor	Insulation (Type, OD)	Shield	Jacket Type	Jacket Colors	Approx. Weight
VHD2001M	1	.275"	19 AWG (19x32) Stranded BC (Compact)	Gas-injected Foam PE, .182"	95% TC Braid, 95% TC Braid	Flexible PVC	Black	45 lbs/Mft

### Electrical Specifications

Part #	Impedance	Return Loss (100kHz-1GHz), (1GHz-4.5GHz)	Capacitance	Cond. DCR per Mft	Shield DCR per Mft	Vel. of Prop.	Nominal Attenuation (dB per 100 ft)												
							1 MHz	3.6 MHz	10 MHz	71.5 MHz	135 MHz	270 MHz	360 MHz	720 MHz	1 GHz	1.5 GHz	2.25 GHz	3 GHz	4.5 GHz
VHD2001M	75 Ω (+/-3)	>20dB, >15dB	17 pF/ft	8.5 Ω	1.7 Ω	78%	0.22	0.50	0.73	2.04	2.81	4.05	4.76	7.00	8.28	10.47	13.22	15.63	19.85