

Extra-Flexible High-Definition SDI Coax



TactiCel™
Strong Cell Technology

The VHD2000M and VHD2001M are extra-flexible, low-loss coaxial cables with a 4.5 GHz bandwidth for uncompressed HDTV transmission. They feature 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, VHD2000M and VHD2001M utilize a TactiCel™ crush-resistant, gas-injected foam dielectric that reduces attenuation and extends the operating bandwidth. As with all other Gepco® Brand HD coax cables, every critical electrical and mechanical characteristic is manufactured to precision tolerances.

Features & Benefits

- Extra Flexible
- 4.5 GHz Bandwidth
- Low Attenuation & Return Loss
- Precision 75 Ω Impedance
- TactiCel Gas-Injected Foam 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 Cables
- Patchcords

Mechanical Specifications

Part #	# of Cond.	Nominal OD	Conductor	Insulation (Type, OD)	Shield	Jacket Type	Jacket Colors	Approx. Weight
VHD2000M	1	0.242" (6.15 mm)	21 AWG (19x34) Stranded BC (Compact)	Gas-Injected Foam PE, 0.146" (3.71 mm)	95% TC Braid, 95% TC Braid	Flexible PVC	Black, Red, Orange, Yellow, Green, Blue, Violet	33 lbs/Mft (49 kg/km)
Extra-Flexible RG 59 HD Coax								
VHD2001M	1	0.275" (6.99 mm)	19 AWG (19x32) Stranded BC (Compact)	Gas-Injected Foam PE, 0.182" (4.62 mm)	95% TC Braid, 95% TC Braid	Flexible PVC	Black	45 lbs/Mft (67 kg/km)
Extra-Flexible RG 6 HD Coax								

Electrical Specifications

Part #	Impedance	Return Loss (100 kHz-1 GHz), (1 GHz-4.5 GHz)	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
VHD2000M	75 Ω (+/-3)	>20 dB, >15 dB	17 pF/ft	14.3 Ω	2.4 Ω	78%	0.25	0.52	0.91	2.51	3.50	5.05	5.92	8.60	10.35	13.05	16.50	19.60	24.80
VHD2001M	75 Ω (+/-3)	>20 dB, >15 dB	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



Cable Type	Color	Length	Connector Format
GVC - [] - [] - [] - []	34 = VHD2000M	0 = Black 2 = Red 3 = Orange 4 = Yellow 5 = Green 6 = Blue 7 = Violet	KB = Kings® 2065 Series 3 GHz True 75 Ω BNC AB = ADC® 3 GHz True 75 Ω BNC CF = Canare® 75 Ω F-Type Connector CR = Canare® 200 MHz Crimp RCA
*No suffix will designate Gepco® Brand BNCs. **Boots standard with above connector options.			



Connector Format	Color	Length
G - [] - [] - []	VPC = Canare® VWP High-Definition Video Patch Plug WECO Type MVPC = Canare® MVP High-Definition Video Patch Plug Midsized Type	0 = Black 2 = Red 3 = Orange 4 = Yellow 5 = Green 6 = Blue 7 = Violet
In Feet		

Kings is a registered trademark of Kings Electronics Company, Inc. ADC is a registered trademark of ADC Telecommunication, Inc. Canare is a registered trademark of Canare Electric Co., Ltd.