

75 Ω AES3id, Word Clock & SPDIF Coax

Features & Benefits

- Ultra-Low Attenuation & Return Loss
- Low Jitter
- Precision 75 Ω Impedance
- Gas-Injected Dielectric
- Broadband Dual Shield
- 4.5 GHz Bandwidth
- Multiple Sizes
- UL Riser Rated

Applications

- Word Clock
- SPDIF
- MADI
- AES3id
- Extended-Distance AES/EBU Runs via 110 Ω to 75 Ω Transformers

The same as the Gepco® Brand HD video series, these low-loss, low-jitter, precision impedance coaxial cables for Word Clock, AES3id, SPDIF or multiplexed digital audio formats utilize Gepco's 4.5 GHz gas-injected, low k constant dielectric and a precision-drawn, solid copper conductor. For comprehensive broadband shielding, a dual shield of foil and braid is used to protect against both high-frequency RF and EMI noise and interference. All electrical and mechanical characteristics are manufactured to precision tolerances and specifications to minimize attenuation, internal reflections and impedance mismatches. As a result, pulse rounding, bit-errors and jitter from the cable interconnection are minimized.



Mechanical Specifications																		
Part #	# of Cond.	Nominal OD	Conductor	Insulation (Type, OD)	Shield	Jacket Type	Jacket Colors	UL Type	Approx. Weight									
VHD1100	1	0.405"	14 AWG Solid BC	Gas-Injected Foam PE, 0.285"	95% TC Braid, 100% Foil	PVC	Black, Others by Special Order	CMR	76 lbs/Mft									
<i>Extended-Distance RG11 Digital Coax</i>																		
VHD7000	1	0.320"	16 AWG Solid BC	Gas-Injected Foam PE, 0.223"	95% TC Braid, 100% Foil	PVC	Black, Others by Special Order	CMR	50 lbs/Mft									
<i>Extended-Distance RG7 Digital Coax</i>																		
VSD2001	1	0.272"	18 AWG Solid BC	Gas-Injected Foam PE, 0.180"	95% TC Braid, 100% Foil	PVC	Black, Brown, Red, Orange, Yellow, Green, Blue, Violet, Gray, White	CMR	42 lbs/Mft									
<i>Low-Loss RG6 Digital Coax</i>																		
VPM2000	1	0.242"	20 AWG Solid BC	Gas-Injected Foam PE, 0.146"	95% TC Braid, 100% Foil	PVC	Black, Brown, Red, Orange, Yellow, Green, Blue, Violet, Gray, White	CMR	35 lbs/Mft									
<i>Standard RG59 Digital Coax</i>																		
VDM230	1	0.164"	23 AWG Solid BC	Gas-Injected Foam PE, 0.100"	95% TC Braid, 100% Foil	PVC	Black, Brown, Red, Orange, Yellow, Green, Blue, Violet, Gray, White	CMR	18 lbs/Mft									
<i>Miniature 23 AWG Digital Coax</i>																		
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.	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
VHD1100	75 Ω (+/-2)	>23dB, >21dB	16.2 pF/ft	2.5 Ω/1.5 Ω	84%	0.14	0.28	0.43	1.02	1.40	1.92	2.25	3.30	3.86	4.73	5.80	6.72	8.75
VHD7000	75 Ω (+/-2)	>23dB, >21dB	16.2 pF/ft	4.0 Ω/1.9 Ω	84%	0.16	0.34	0.54	1.28	1.70	2.40	2.80	4.05	4.80	5.89	7.25	8.40	10.90
VSD2001	75 Ω (+/-2)	>23dB, >21dB	16.3 pF/ft	6.4 Ω/2.8 Ω	83%	0.22	0.43	0.70	1.60	2.10	2.96	3.40	4.95	5.87	7.30	9.13	10.65	13.28
VPM2000	75 Ω (+/-2)	>23dB, >21dB	16.3 pF/ft	10.2 Ω/3.5 Ω	83%	0.28	0.53	0.86	2.05	2.71	3.80	4.38	6.40	7.57	9.29	11.57	13.36	16.39
VDM230	75 Ω (+/-2)	>23dB, >21dB	16.5 pF/ft	20.3 Ω/2.7 Ω	82%	0.38	0.78	1.19	3.01	3.80	5.40	6.18	9.30	10.47	12.97	16.00	18.48	22.79