

Video Snake: High-Definition Miniature 23 AWG



TactiCel™
Strong Cell Technology

Designed for multi-channel digital or analog video interconnect, the Gepco® Brand VS230 series is a miniature, multi-conductor, high-definition video coax snake. This snake features a thin-profile construction that reduces the weight and diameter for easy handling and portability in remote applications. The coaxial elements are identical to the Gepco Brand VDM230 for low attenuation, 4.5 GHz HD bandwidth and broadband shielding. For the outer jacket, an all-weather TPE is used for both flexibility and ruggedness.

Features & Benefits

- Thin Profile
- Low Attenuation & Return Loss
- Precision 75 Ω Impedance
- 4.5 GHz Bandwidth for HDTV
- High Velocity of Propagation
- Extra Flexible
- TactiCel™ Gas-Injected Foam Dielectric
- Full-Copper Braid & Foil Shield
- 100% Sweep Tested
- All-Weather TPE Master Jacket

Applications

- High-Definition or Standard-Definition Serial Digital Video
- Digital Audio (AES3id or SPDIF)
- High-Resolution Analog Video
- Portable Snakes

Mechanical Specifications (Series)

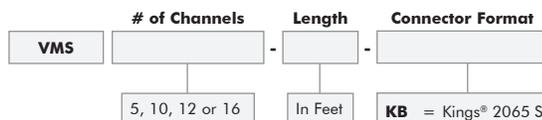
Conductors	Insulation (Type, OD)	Shield	Coax Jacket (Type, OD)	Master Jacket
23 AWG Solid BC	Gas-Injected Foam PE, 0.100" (2.54 mm)	95% TC Braid, 100% Foil	PVC, 0.164" (4.17 mm)	TPE, Black

Mechanical Specifications (Individual)

Part #	# of Coaxials	Color Code	Nominal OD	Approx. Weight
VS3230	3	Red, Green, Blue	0.453" (11.5 mm)	192 lbs/Mft (286 kg/km)
VS5230	5	Red, Green, Blue, Yellow, White	0.570" (14.5 mm)	150 lbs/Mft (224 kg/km)
VS6230	6	Red, Green, Blue, Yellow, White, Black	0.599" (15.2 mm)	170 lbs/Mft (253 kg/km)
VS10230	10	Brown, Red, Orange, Yellow, Green, Blue, Violet, Gray, White, Black	0.785" (19.9 mm)	315 lbs/Mft (469 kg/km)
VS12230	12	Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray, White, Black, Beige, Pink	0.800" (20.3 mm)	375 lbs/Mft (559 kg/km)
VS16230	16	Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray, White, Black, Beige, Pink, Neon Orange, Pumpkin Yellow, Lime Green, Dark Blue	0.885" (22.5 mm)	500 lbs/Mft (745 kg/km)

Electrical Specifications

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
75 Ω (+/-3)	>23 dB, >21 dB	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



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.