Component RGB: Miniature 23 AWG Solid

Component video or multi-channel HD video snake for portable applications. The VS5230 features 3GHz, High Definition coaxial elements that have the lowest attenuation of the miniature types and meet or exceed SMPTE 292M standards for uncompressed HD video. Each coaxial element is constructed from a precision 23 gage solid conductor, gasinjected dielectric, and broadband foil and braid shield. Commonly used for high resolution component analog video, the bandwidth and precision tolerances of the VS5230 also allow it to be used as a multi-channel HD/SDI video snake. The outer jacket is extruded from an all-weather TPE jacket that is both flexible and abrasion resistant.

FEATURES & BENEFITS

- Thin Profile
- Low Attenuation & Return Loss
- Precision 75 Ω Impedance
- 3GHz Bandwidth for Uncompressed HD Video
- High Velocity of Propagation
- Extra-flexible
- Gas-injected Foam Polyethylene 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 RGB Component Analog Video
- Portable Snakes

Mechanical Specifications

Part #	# of Coaxials	Nominal OD	Conductor	Insulation (Type, OD)	Shield	Coax Jacket (Type, OD)	Coax Color Code	Master Jacket	Approx. Weight
VS5230	5	.570"	23 AWG Solid TC	Gas-injected Foam PE, .100"	95% TC Braid, 100% Foil	PVC, .164"	Red, Green, Blue, Yellow, White	TPE, Black	150 lbs/Mft

Electrical Specifications

Impedance	Return Loss (100kHz-1GHz), (1GHz-3GHz)	Capacitance	Cond. DCR per Mft/ Shield DCR per Mft	Vel. of Prop.	Attenuation (dB per 100ft)											
					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
75 Ω (+/-2)	>23dB, >21dB	16.5 pF/ft	20.3Ω/ 2.7Ω	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