

Miniature HDTV/SDI Coax

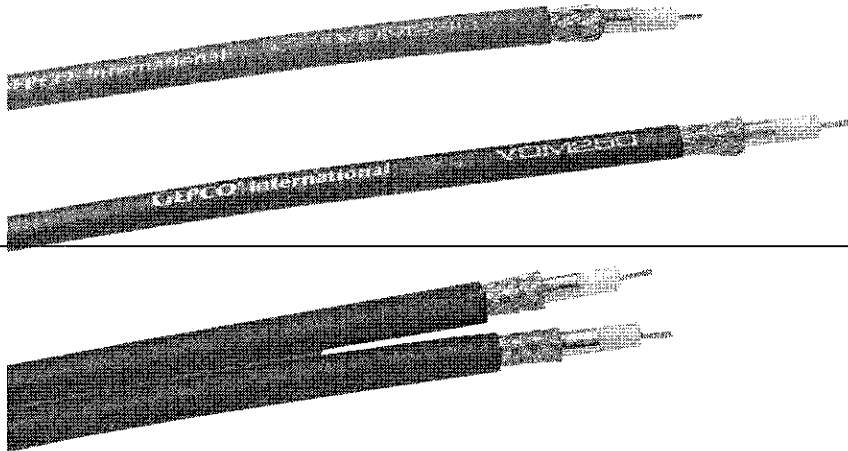
Key Features & Benefits

- Thin Profile
- Low Attenuation & Return Loss
- Precision 75 Ω Impedance
- 4.5 GHz Bandwidth for HDTV (VDM230 & VDM230TS)
- High Velocity of Propagation
- Stranded or Solid Conductor
- Gas-Injected Foam Dielectric
- Full-Copper Braid & Foil Shield
- 100% Sweep Tested
- Low Weight

Applications

- High-Definition Serial Digital Video (VDM230 & VDM230TS)
- Standard-Definition Serial Digital Video
- Digital Audio (AES3id or SPDIF)
- High-Resolution Analog Video
- Ideal for Remote Broadcast Interconnect

The Gepco® Brand miniature coax series features exceptionally low attenuation for its type while maintaining a reduced size and weight. All utilize a pure-copper center conductor, low-loss foam dielectric and broadband foil and braid shielding. VDM230 features the same gas-injected dielectric found in the HD coax series making it ideal for standard-definition digital video, AES3id digital audio or high-definition digital video interconnect within mobile production trucks. VDM250 and VDM250D are recommended for short distance, low bit-rate digital, analog video, or SVHS applications. The VDM230TS is recommended for plenum installation.



Mechanical Specifications

Part #	# of Cond.	Nominal OD	Conductor	Insulation (Type, OD)	Shield	Jacket Type	Jacket Colors	UL Type	Approx. Weight
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 HD/SDI Coax: 23 AWG Solid</i>									
VDM230TS	1	0.164"	23 AWG Solid BC	Gas-Injected Foam PE, 0.099"	95% TC Braid, 100% Foil	Plenum PVC	Black, White	CMP	22 lbs/Mft
<i>Miniature HD/SDI Coax: 23 AWG Solid Plenum</i>									
VDM250	1	0.154"	25 AWG (7x33) Stranded BC	Gas-Injected Foam PE, 0.099"	95% TC Braid, 100% Foil	PVC	Black	CMR	16 lbs/Mft
<i>Miniature SDI Coax: 25 AWG Stranded</i>									
VDM250D	2	0.154" x 0.315"	25 AWG (7x33) Stranded BC	Gas-Injected Foam PE, 0.099"	95% TC Braid, 100% Foil	Flexible Matte PVC	Black	---	33 lbs/Mft
<i>Miniature SDI or SVHS Coax: Dual 25 AWG Stranded</i>									

Electrical Specifications

Part #	Impedance	Return Loss (100 kHz-1 GHz)	Return Loss (1 GHz-4.5 GHz)	Capacitance	Cond. DCR per Mft/Shield of DCR per Mft	Vel. 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			
VDM230	75 Ω (+/-2)	>23dB	>21dB	16.5 pF/ft	20.3 Ω/27 Ω	82%	0.38	0.78	1.19	3.03	3.80	5.40	6.18	9.30	10.47	12.97	16.00	18.48	22.8			
VDM230TS	75 Ω (+/-2)	>23dB	>21dB	16.5 pF/ft	20.3 Ω/27 Ω	82%	0.38	0.78	1.19	3.03	3.80	5.40	6.18	9.30	10.47	12.97	16.00	18.48	22.8			
VDM250	75 Ω (+/-3)	>21dB	---	16.5 pF/ft	30.0 Ω/4.8 Ω	82%	0.47	0.91	1.43	3.45	4.61	6.46	7.48	10.80	12.80	---	---	---	---			
VDM250D	75 Ω (+/-3)	>21dB	---	16.5 pF/ft	30.0 Ω/4.8 Ω	82%	0.47	0.91	1.43	3.45	4.61	6.46	7.48	10.80	12.80	---	---	---	---			

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