

VDM230LT Ultra-Lightweight Miniature HDTV/SDI Coax

FEATURES & BENEFITS

- Immense Weight Savings per Mobile Production Truck
- Equal or Better Peformance Compared to Standard VDM230 Coax
- Thin Profile (Same Dimension as VDM230)
- Low Attenuation & Return Loss
- Precision 75 Ohm Impedance
- 4.5 GHz Bandwidth for HDTV
- High Velocity of Propagation

APPLICATIONS

- High Definition Serial Digital Video
- Standard Definition Serial Digital Video
- High Resolution Analog Video
- Digital Audio (AES3id or SPDIF)
- Ideal for Mobile Production Trucks

The Gepco® Brand Ultra-Lightweight Miniature Coax is ideal for mobile production trucks where weight and performance are critical. Maintaining exceptionally low attenuation, the VDM230LT design features a low-loss gas-injected dielectric created with our new TactiCel™ Strong Cell Techonology, providing improved crush resistance. For reduced weight, the VDM230LT utilizes a copper center conductor and a 100 percent bonded foil with a high-strength, ultra-lightweight liquid crystal polymer braid shielding. Maintaining the same dimensions as Gepco's VDM230, VDM230LT is compatible with the same connectors and crimp tools previously used for VDM230. This Gepco Ultra-Lightweight Miniature Coax solution is ideal for highdefinition digital video, AWS3id digital audio and standarddefinition digital video interconnect within mobile production trucks.



Part #	# of Cond.	Nominal OD	Conductor	Insulation (Type, OD)	Shield		rcket /pe	Jacket Colors		BNC Connector Pull-Off Strength			Cable Cold Bend (10x Mandrel)				Bending Endurance/ Twisting Endurance [†]			UL Type	Approx. Weight	
VDM230LT	1	0.164"	23 AWG Solid Copper	Gas-Injected Foam PE, 0.100"	100% Bonded F Liquid Crystal Polymer Braid		/C	Black, Brown, Red, Orange, Yellow, Green Blue, Violet, Gray, White		43.6 lbs. Avera		erage	Pass	issed at -30°C			Passed – No Cracks in Shield Tape			СМ	11 lb	ıs/Mfl
	Ultra-Li	ghtweight N	liniature HDTV/S	DI Coax: 23 AW	/G Solid																	
Electrico	al Speci	ifications																				
			Retur	n Loss		Cond.	d. S	hield Vel.	Vel.	Nominal Attenuation (dB per 100 ft)												
Impedance	Transf Imped		(100 k	Hz-1.6 GHz), Hz-4.5 GHz)	Capacitance	DCR per M	D	CR	of	1 MHz	3.6 MHz		71.5 MHz				720 MHz	1 GHz		2.25 GHz	3 GHz	4.5 GH:
75 Ω (+/-2)	359 mg	Ω/m 30 - 505 mΩ	>23 d	B, >21 dB	16.5 pF/ft	20.3	Ω 9.	7 Ω	82%	0.81	1.22	1.75	3.41	4.56	6.01	6.90	9.67	11.34	13.86	17.01	19.91	24.4

[†] Bending Endurance and Twisting Endurance per MIL-DTL-24643C per paragraph 4.8.3 & 4.8.21 at 20°C for 2000 Cycles at 12 – 14 cycles per minute.





