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 high-definition digital video, AWS3id digital audio and standard-definition digital video interconnect within mobile production trucks.

TactiCel™
Strong Cell Technology

Mechanical Specifications

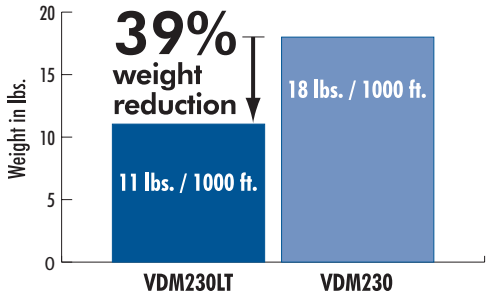
Part #	# of Cond.	Nominal OD	Conductor	Insulation (Type, OD)	Shield	Jacket Type	Jacket Colors	BNC Connector Pull-Off Strength	Cable Cold Bend (10x Mandrel)	Bending Endurance/ Twisting Endurance†	UL Type	Approx. Weight
VDM230LT	1	0.164"	23 AWG Solid Copper	Gas-Injected Foam PE, 0.100"	100% Bonded Foil, Liquid Crystal Polymer Braid	PVC	Black, Brown, Red, Orange, Yellow, Green, Blue, Violet, Gray, White	43.6 lbs. Average	Passed at -30°C	Passed – No Cracks in Shield Tape	CM	11 lbs/Mft

Ultra-Lightweight Miniature HDTV/SDI Coax: 23 AWG Solid

Electrical Specifications

Impedance	Transfer Impedance	Return Loss (100 kHz-1.6 GHz), (1.6 GHz-4.5 GHz)	Capacitance	Cond. DCR per Mft	Shield DCR per Mft	Vel. of Prop.	Nominal 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 (+/-2)	359 mΩ/m (VDM230 - 505 mΩ/m)	>23 dB, >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	24.49

† 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.



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General Cable