

FEATURES & BENEFITS

- 13 AWG Solid BC Conductor
- 4.5 GHz Bandwidth for HDTV
- Ultra-Low Attenuation & Return Loss
- Precision 75Ω Impedance
- High Velocity of Propagation
- Gas-Injected Foam Polyethylene Dielectric
- 100% Sweep Tested
- Full-Copper Braid & Foil Shield

APPLICATIONS

- High-Definition or Standard-Definition Serial Digital Video
- High-Resolution Analog Video
- Digital Audio (AES3id, SPDIF or Word Clock)

The Gepco® Brand VHD1300 is an extended-distance, high-definition video coax with a 4.5 GHz bandwidth for HDTV transmission. The precision-drawn 13-gauge solid conductor provides lower DC resistance and, consequently, lower attenuation allowing for reliable performance at longer distances. For the insulating dielectric, the VHD1300 utilizes a crush-resistant, gas-injected polyethylene compound that reduces attenuation and extends the operating bandwidth. The full-copper braid and foil shield provide complete broadband shielding. Engineered for the transmission of uncompressed HD video in patching or remote applications, the VHD1300 is an excellent choice for extended-distance, point-to-point interconnect.



Mechanical Specifications									
Part #	# of Cond.	Nominal OD	Conductor	Insulation (Type, OD)	Shield	Jacket Type	Jacket Colors	UL Type	Approx. Weight
VHD1300	1	0.400"	13 AWG Solid BC	Gas-Injected Foam PE, 0.287"	92% TC Braid, 100% Foil	PVC	Black, Purple	CMR	92 lbs/Mft

Electrical Specifications																			
Part #	Impedance	Return Loss (100 kHz-1 GHz), (1 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
VHD1300	75 Ω (+/-2)	>23dB, >21dB	15.0 pF/ft	2.0 Ω	1.5 Ω	89%	0.13	0.27	0.41	0.95	1.31	1.79	2.10	3.09	3.61	4.43	5.43	6.29	8.22