

FEATURES & BENEFITS

- Flame-Resistant
- Low-Smoke Production & Reduced Toxicity
- Low Attenuation & Return Loss
- Precision 75 Ω Impedance
- 4.5 GHz Bandwidth for HDTV
- High Velocity of Propagation
- Gas-Injected Foam Dielectric
- Full-Copper Braid & Foil Shield
- 100% Sweep Tested

MEETS IEC STANDARDS

- 60332-3-24 Flame Propagation
- 61034-1, -2, 2005-4 Smoke Emission
- 60754-2 Corrosivity and Acid Gas Emission

Gepco now offers what precision high-performance cable broadcasters all over the world depend on ... EU-Compliant Low-Smoke, Zero-Halogen (LSZH) Cabling Solutions. Re-engineered using advanced jacket compounds that offer flame resistance, low-smoke production and reduced toxicity, Gepco LSZH Video cables deliver exceptional quality while complying with IEC and RoHS standards.

The Gepco® Brand LSZH high-definition video coax series has been designed to feature a 4.5 GHz bandwidth (for HDTV transmission), a gas-injected foam dielectric, lower attenuation, excellent crush resistance and easy termination. The gas-injected dielectric and precision process control are critical factors in achieving superior electrical performance including faster velocity of propagation, tight impedance tolerance, low attenuation and low structural return loss across the entire 4.5 GHz bandwidth.



Mechanical Specifications

Part #	# of Cond.	Nominal OD	Conductor	Insulation (Type, OD)	Shield	Jacket Type	Jacket Colors	Flame Resistance	Approx. Weight
VHD1100LS	1	10.3 mm	14 AWG Solid BC, 1.6 mm	Gas-Injected Foam PE, 7.2 mm	95% TC Braid, 100% Foil	FRNC/LSZH	Black & Green	FRNC-C	113 kg/km
<i>Extended-Distance RG11 HD Coax</i>									
VSD2001LS	1	6.9 mm	18 AWG Solid BC, 1.0 mm	Gas-Injected Foam PE, 4.6 mm	95% TC Braid, 100% Foil	FRNC/LSZH	Black & Green	FRNC-C	62 kg/km
<i>Low-Loss RG6 HD Coax</i>									
VPM2000LS	1	6.2 mm	20 AWG Solid BC, 0.8 mm	Gas-Injected Foam PE, 3.7 mm	95% TC Braid, 100% Foil	FRNC/LSZH	Black & Green	FRNC-C	52 kg/km
<i>Standard RG59 HD Coax</i>									
VDM230ELS	1	4.2 mm	23 AWG Solid BC, 0.6 mm	Gas-Injected Foam PE, 2.5 mm	95% TC Braid, 100% Foil	FRNC/LSZH	Black & Green	FRNC-C	27 kg/km
<i>Miniature HD/SDI Coax: 23 AWG Solid</i>									

Electrical Specifications

Part #	Impedance	Return Loss (100 kHz-1 GHz), (1 GHz-4.5 GHz)	Capacitance	Cond. DCR per km	Shield DCR per km	Vel. of Prop.	Nominal Attenuation (dB per 100 m)												
							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
VHD1100LS	75 Ω (+/-2)	>23dB, >21dB	53 pF/m	8 Ω	5 Ω	84%	0.5	0.9	1.4	3.3	4.6	6.3	7.4	10.8	12.7	15.5	19.0	22.0	28.7
VSD2001LS	75 Ω (+/-2)	>23dB, >21dB	54 pF/m	21 Ω	9 Ω	83%	0.7	1.4	2.3	5.2	6.9	9.7	11.2	16.2	19.3	23.9	30.0	34.9	43.6
VPM2000LS	75 Ω (+/-2)	>23dB, >21dB	54 pF/m	34 Ω	12 Ω	83%	0.9	1.7	2.8	6.7	8.9	12.5	14.4	21.0	24.8	30.5	37.9	43.8	53.8
VDM230ELS	75 Ω (+/-2)	>23dB, >21dB	54 pF/m	67 Ω	13 Ω	82%	1.2	2.6	3.9	9.9	12.5	17.7	20.3	30.5	34.3	42.5	52.5	60.6	74.8

FEATURES & BENEFITS

- Flame-Resistant
- Low-Smoke Production & Reduced Toxicity
- Precision 110 Ω Impedance (DS401LS & DS601LS)
- 25 MHz Sampling Bandwidth for 192 kHz Sampling Rates (DS401LS & DS601LS)
- Stabilizing Polyethylene Rod (DS401LS & DS601LS)
- Easy to Strip (DS401LS & 61801EZLS)

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The Gepco® Brand LSZH AES/EBU digital audio twisted-pair cables (DS401LS and DS601LS) feature an extended 25 MHz bandwidth, low attenuation, mechanical stability and a precision 110 Ω impedance. The industry standard for balanced audio cable for permanent installation, the Gepco® Brand 61801EZLS features stranded tinned-copper conductors that are easy to solder or punch-down and a high-grade polyethylene dielectric that is used to minimize high-frequency attenuation.



Mechanical Specifications

Part #	# of Pairs	Nominal OD	Conductors	Dielectric/Color Code	Fillers	Shield	Drain	Jacket	Flame Resistance	Approx. Weight
DS401LS	1	4.6 mm	24 AWG (7x32) Stranded TC, 0.6 mm	Foam PE, 0.5 mm Wall/ White & Black	Solid Virgin Polyethylene Rod	100% Foil	22 AWG (7x30) Stranded TC, 0.8 mm	FRNC/LSZH Black & Green	FRNC-C	19 kg/km
<i>Wide Bandwidth 110 Ω Digital Audio Single-Pair: Easy Strip</i>										
DS601LS	1	3.6 mm	26 AWG (7x34) Stranded TC, 0.5 mm	Foam PP, 0.4 mm Wall/ White & Black	Solid Virgin Polyethylene Rod	100% Foil	24 AWG (7x32) Stranded TC, 0.6 mm	FRNC/LSZH Black & Green	FRNC-C	15 kg/km
<i>Thin Profile 110 Ω Digital Audio Single-Pair</i>										
61801EZLS	1	3.5 mm	22 AWG (7x30) Stranded TC, 0.8 mm	PE, 0.2 mm Wall/ Red & Black	—	100% Foil (Bonded)	22 AWG (7x30) Stranded TC, 0.8 mm	FRNC/LSZH Black & Green	FRNC-C	22 kg/km
<i>Analog Audio Single-Pair: Easy Strip</i>										

Electrical Specifications

Part #	Impedance	Capacitance	Cond. DCR	Drain DCR	Attenuation (dB per 100 m)				
					1 MHz	3 MHz	6 MHz	12 MHz	25 MHz
DS401LS	110 Ω	36 pF/m Between Conductors, 69 pF/m Between One Conductor and Other Tied to Shield	78 Ω/km	50 Ω/km	3.0	4.3	5.3	7.1	13.5
DS601LS	110 Ω	46 pF/m Between Conductors, 89 pF/m Between One Conductor and Other Tied to Shield	126 Ω/km	78 Ω/km	4.1	6.1	7.9	10.4	13.8
61801EZLS	—	112 pF/m Between Conductors, 203 pF/m Between One Conductor and Other Tied to Shield	50 Ω/km	50 Ω/km	—	—	—	—	—