

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)

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 Audio cables deliver exceptional quality while complying with IEC and RoHS standards.

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	Bend Radius	Operating Temperature Range	Maximum Pull Tension	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	45.7 mm	-30°C to +75°C -22°F to 167°F	88.9 N	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	35.7 mm	-30°C to +75°C -22°F to 167°F	53.4 N	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	35 mm	-30°C to +75°C -22°F to 167°F	121.4 N	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	—	—	—	—	—