

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 | 4.5 mm | 23 AWG Solid BC, 0.6 mm | Gas-Injected Foam PE, 2.8 mm | 95% TC Braid, 100% Foil | FRNC/LSZH | Black & Green | FRNC-C | 34 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 | — | — | — | — | — |