

Flexible Studio/Remote Triax

Features & Benefits

Ultra-Low Attenuation
 Precision 75 Ω Impedance
 3 GHz Bandwidth
 Low Structural Return Loss
 High Velocity of Propagation
 Flexible
 Crush-Resistant Dielectric
 Gas-Injected Foam Polyethylene Dielectric
 Two Isolated Copper Braids
 All-Weather TPE Master Jacket

Applications

Digital or Analog Video Camera to
 CCU Interconnect
 Portable Cables
 Studio or Remote Environments

An extra-flexible triaxial camera cable, the LVT618 series is designed for use in studio, remote or other portable applications. Like the HD coax series, Gepco® Brand triax features a precision-drawn, copper conductor and a low-loss, gas-injected polyethylene dielectric. The unique gas injection process achieves low attenuation, a precision 75 Ω impedance, low structural return loss and superior crush resistance. A tight-angled, heavy-gauge braid shield provides excellent RF/EMI shielding and low DCR. The master jacket is an all-weather TPE that is abrasion-resistant, durable, and remains flexible even in cold temperature environments



Mechanical Specifications

Part #	# of Cond.	Nominal OD	Conductor	Insulation (Type, OD)	Inner Shield	Inner Belt (Type, OD)	Outer Shield	Jacket	Jacket Colors	Approx. Weight
LVT61811	1	0.515"	14 AWG (19x27) Stranded BC	Gas-Injected Foam PE, 0.312"	95% BC Braid	TPR, 0.392"	95% BC Braid	TPE	Black, Red, Yellow, Green, Blue	136 lbs/Mft
<i>Extended-Distance RG11 Flexible Triax</i>										
LVT61859	1	0.360"	20 AWG Solid BC	Gas-Injected Foam PE, 0.146"	95% BC Braid	TPR, 0.216"	95% BC Braid	TPE	Black, Red, Yellow, Green, Blue, Violet	80 lbs/Mft
<i>Thin Profile RG59 Flexible Triax</i>										
LVT61859S	1	0.360"	21 AWG (19x34) Stranded BC (Compact)	Gas-Injected Foam PE, 0.146"	95% BC Braid	TPR, 0.216"	95% BC Braid	TPE	Black, Red, Blue	80 lbs/Mft
<i>Thin Profile RG59 Flexible Triax: Stranded</i>										

Electrical Specifications

Part #	Impedance	Return Loss (100 kHz-1 GHz), (1 GHz-3 GHz)	Capacitance	Cond. DCR per Mft	Inner Shield DCR per Mft/Outer 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
LVT61811	75 Ω(+/-3)	>22dB, >15dB	16.8 pF/ft	2.8 Ω	1.2 Ω/1.2 Ω	78%	0.14	0.28	0.45	1.20	1.79	2.60	3.12	4.70	5.69	8.05	10.75	13.50
LVT61859	75 Ω(+/-3)	>22dB, >15dB	16.3 pF/ft	10.2 Ω	2.6 Ω/2.0 Ω	83%	0.28	0.56	0.87	2.18	3.00	4.19	4.83	6.90	8.82	11.98	15.80	19.65
LVT61859S	75 Ω(+/-3)	>22dB, >15dB	17.0 pF/ft	14.3 Ω	2.6 Ω/2.0 Ω	78%	0.30	0.57	0.89	2.23	3.12	4.49	5.40	8.14	10.10	13.22	16.85	20.50