

Thin Profile 110Ω AES/EBU Digital Audio Multi-pair & Single-pair

Features & Benefits

- 25MHz Bandwidth for 192kHz Sampling Rates
- Extra-Flexible
- Thin Profile
- Precision 110Ω Impedance
- Stabilizing Polyethylene Rod
- Easy to Terminate
- UL Type CM Rated

Applications

- AES3 Digital Audio
- 32kHz to 192kHz Sampling Rates
- Studio Interconnect, Permanent Installation or Portable Snakes
- Multi-pin Cable Assemblies

The DS series of 110Ω AES/EBU digital audio cables features extended bandwidth for high-resolution sampling rates in a new and extra-flexible construction. Gepco DS series cables are rated up to 25MHz to meet the AES3-2003 specifications for transmission of sampling rates up to 192kHz. Each pair features minimal attenuation, low-jitter, and a 110Ω impedance that remains stable when the cable is bent or flexed. The 26 gage thin-profile series is extremely flexible, easy-to-terminate, and has reduced diameters for use in high-density terminations or with multi-pin connectors.



MULTI-PAIR

Mechanical Specifications (Series)

Conductors	Insulation (type, wall thick)	Pair Shield	Pair Drain	Pair Jacket/Color Code	Master Jacket	UL Type
26 AWG (7x34) Stranded TC	Foam PP, .015"/White & Black	100% Foil	24 AWG (7x32) Stranded TC	PVC, .143"/Base 10	Gep-Flex TPE, Black	CM

Mechanical Specifications (Individual)

Part Number	# of Pairs	Nominal OD	Approx. Weight
DS604	4	.435"	65 lbs/Mft
DS608	8	.560"	140 lbs/Mft
DS612	12	.685"	200 lbs/Mft
DS616	16	.785"	270 lbs/Mft
DS624	24	.975"	395 lbs/Mft

SINGLE-PAIR

Mechanical Specifications

Part #	# of Pairs	Nominal OD	Conductors	Dielectric (type, wall thick) Color Code	Shield	Drain Wire	Jacket (type, colors)	UL Type	Approx. Weight
DS601	1	.143"	26 AWG (7x34) Stranded TC	Foam PP, .015"/White & Black	100% Foil	24 AWG (7x32) Stranded TC	PVC, Black	CM	19 lbs/Mft

Electrical Specifications

Impedance	Capacitance	Cond. DCR	Drain DCR	Attenuation (dB per 100 ft)				
				1MHz	3MHz	6MHz	12MHz	25MHz
110 Ω	14 pF/ft between conductors, 27 pF/ft between one conductor and other tied to shield	38.5 Ω/Mft	38.5 Ω/Mft	1.25	1.85	2.40	3.16	4.20