

Wide Bandwidth/Extended Distance Single & Dual-pair

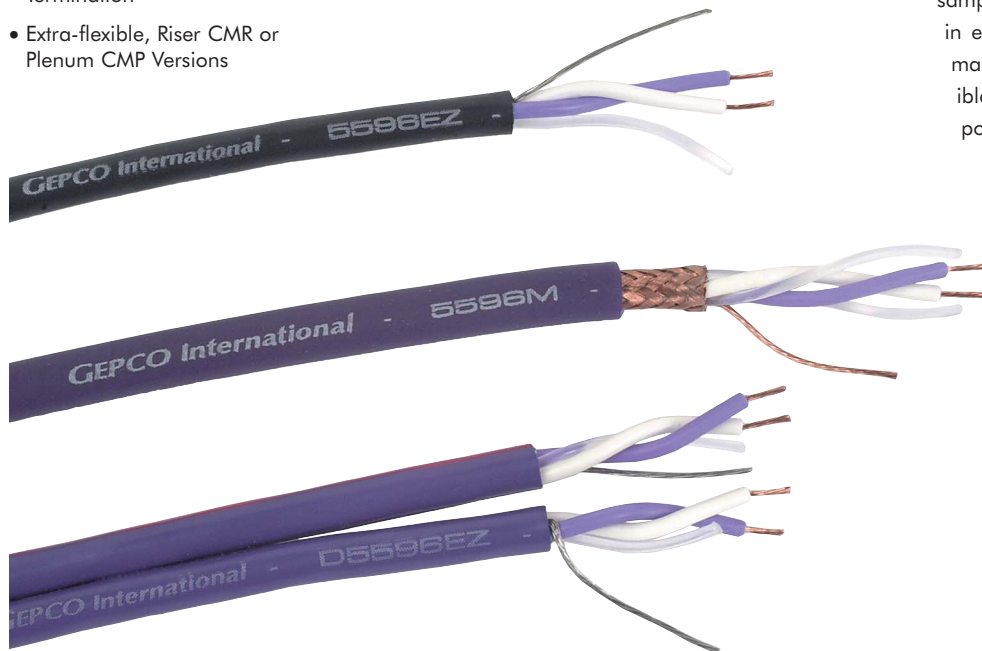
Features & Benefits

- Extra-low Attenuation
- Precision 110Ω Impedance
- 25MHz Bandwidth for 192kHz Sampling Rates
- Oxygen-free Copper Conductors
- Gas-injected Foam Polyethylene or Foam Teflon Dielectric
- Stabilizing Polyethylene Rod(s)
- Drain Wire for Quick Shield Termination
- Extra-flexible, Riser CMR or Plenum CMP Versions

Applications

- AES3 Digital Audio
- Extended Bandwidth Analog Audio
- Time Code
- Studio Interconnect, Permanent Installation, or Portable Cables
- Ideal for Higher Sampling Rates or Extended Distance Runs

Extra-low loss 110Ω AES/EBU wide bandwidth, digital audio twisted-pair cable. The 5596 series features an extended 25MHz bandwidth, ultra-low attenuation, mechanical stability, and a precision 110Ω impedance. With the lowest available attenuation and precision impedance specifications, the 5596 series allows for longer runs of AES3 format digital audio over twisted-pair cable. The extended 25MHz bandwidth is compliant with the 1999 revision of the AES3 standard for transmission of digital audio at sampling rates up to 192kHz. Available in easy-to-terminate versions for permanent installation and an extra-flexible version for rack patching or portable cables.



Mechanical Specifications

Part #	# of Pairs	Nominal OD	Conductors	Dielectric/Color Code	Fillers	Shield	Drain	Jacket	UL Type	Approx. Weight
5596M	1	.235"	24 AWG (7x32 AWG) Oxygen-free Stranded BC	Gas-injected Foam PE/ One White, One Violet	(2) Solid Virgin Polyethylene Rods	95% Oxygen-free BC Braid	24 AWG (7x32) Stranded BC	Flexible Matte PVC, Violet	-----	27lbs/Mft
<i>Wide Bandwidth Single-pair: Extra-flexible</i>										
5596EZ	1	.190"	24 AWG (7x32 AWG) Oxygen-free Stranded BC	Gas-injected Foam PE/ One White, One Violet	Pressure Jacket with (1) Solid Virgin Polyethylene Rod	Bonded 100% Foil (Alum/Mylar)	24 AWG (7x32) Stranded TC	PVC, Violet or Black	CMR	14 lbs/Mft
<i>Wide Bandwidth Single-pair: Permanent Install. Easy Strip & Termination</i>										
D5596EZ	2	.385" x .190"	24 AWG (7x32 AWG) Oxygen-free Stranded BC	Gas-injected Foam PE/ One White, One Violet	Pressure Jacket with (1) Solid Virgin Polyethylene Rod	Bonded 100% Foil (Alum/Mylar)	24 AWG (7x32) Stranded TC	PVC, Violet with Red Stripe	CMR	28 lbs/Mft
<i>Wide Bandwidth Dual-pair: Permanent Install. Easy Strip & Termination</i>										
5596TS	1	.175"	24 AWG (7x32 AWG) Oxygen-free Stranded BC	Foam FEP/ One White, One Violet	-----	100% Foil	24 AWG (7x32) Stranded TC	Plenum PVC White	CMP	13 lbs/Mft
<i>Wide Bandwidth Single-pair: Plenum</i>										

Electrical Specifications

Part #	Impedance	Capacitance	Cond. DCR	Drain DCR	Attenuation (dB per 100 ft)				
					1MHz	3MHz	6MHz	12MHz	25MHz
5596M	110 Ω	11 pF/ft between conductors, 21 pF/ft between one conductor and other tied to shield	23.8 Ω/Mft	23.8 Ω/Mft	.60	.90	1.60	2.30	3.40
5596EZ/D5596EZ	110 Ω	11 pF/ft between conductors, 21 pF/ft between one conductor and other tied to shield	23.8 Ω/Mft	23.8 Ω/Mft	.90	1.30	1.70	2.50	4.10
5596TS	110 Ω	11 pF/ft between conductors, 21 pF/ft between one conductor and other tied to shield	23.8 Ω/Mft	23.8 Ω/Mft	.80	1.20	1.50	2.00	2.90