

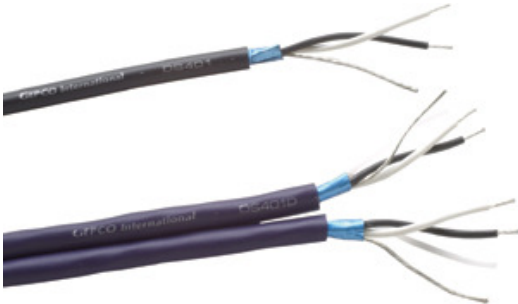
Celebrating 30 Years in Broadcast and Professional A/V

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PRODUCTS / PRO-AUDIO, VIDEO & DATA CABLE / DIGITAL AUDIO CABLE / 110Ω Single & Dual-pair DS Series: 24 Gage

110Ω Single & Dual-pair DS Series: 24 Gage



FEATURES & BENEFITS

- Precision 110Ω Impedance
- 25MHz Bandwidth for 192kHz Sampling Rates
- Flexible
- Gas-injected Foam Polyethylene or Foam Teflon Dielectric
- Stabilizing Polyethylene Rod
- Extra-flexible & UL Rated Versions

APPLICATIONS

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

Extra-low loss 110Ω AES/EBU wide bandwidth, digital audio twisted-pair cable. The DS4 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 DS4 series allows for longer runs of AES3 format digital audio over twisted-pair cable. The extended 25MHz bandwidth is compliant with 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 (Type, Wall Thick)/ Color Code	Fillers	Shield	Drain	Jacket	UL Type	Approx. Weight
DS401	1	.180"	24 AWG (7x32) Stranded TC	Foam PP, .021" Wall / White & Black	Solid Virgin Polyethylene Rod	100% Foil	22 AWG (7x30) Stranded TC	PVC, Violet or Black	CMR	13 lbs/Mft
<i>Wide Bandwidth Single-pair: Permanent Install. Easy Strip & Termination</i>										
DS401D	2	.370" x .180"	24 AWG (7x32) Stranded TC	Foam PP, .021" Wall / White & Black	Solid Virgin Polyethylene Rod	100% Foil	22 AWG (7x30) Stranded TC	PVC, Violet with Red Stripe	CMR	26 lbs/Mft
<i>Wide Bandwidth Dual-pair: Permanent Install. Easy Strip & Termination</i>										
DS401TS	1	.170"	24 AWG (7x32) Stranded TC	Foam FEP, .021" Wall/ White & Black	-----	100% Foil	22 AWG (7x30) Stranded TC	Plenum PVC, White	CMR	13 lbs/Mft
<i>Wide Bandwidth Single-pair: Plenum</i>										

Electrical Specifications

Part #	Impedance	Capacitance	Cond. DCR	Drain DCR	Attenuation				
					1MHz	3MHz	6MHz	12MHz	25MHz
DS401/DS401D	110 Ω	11 pF/ft between conductors, 21 pF/ft between one conductor and other connected to shield	23.8Ω/Mft	15.3 Ω/Mft	0.90	1.30	1.60	2.15	4.10
DS401TS	110 Ω	11 pF/ft between conductors, 21 pF/ft between one conductor and other connected to shield	23.8Ω/Mft	15.3 Ω/Mft	0.80	1.20	1.50	2.00	2.90

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