



ANALOG

AVX/IRC 
AUDIO

**IEC TYPE 1 PROFESSIONAL
AUDIO CASSETTE**

NORMAL BIAS CASSETTES FOR A
WIDE RANGE OF APPLICATIONS

PRODUCT OVERVIEW

Whether working in a real-time cassette duplication facility or recording the proceedings of a court case, AVX and IRC cassettes give the user the product options needed by utilizing a special leader with a magnetic coating. IRC cassettes begin recording as soon as the record button is pushed, with no lag time. Manufactured to the highest tolerances, Quantegy AVX / IRC audio cassettes are designed to meet the budget needs of the professional without sacrificing performance.

PRODUCT FEATURES

- Full range of configurations and lengths
- Durable shell for product protection and performance
- IRC (Instant Record Cassettes) for critical applications
- High-impact resistant shell makes AVX and IRC cassettes more resistant to damage
- Phospherized, bronze spring holds an oversized pressure pad to enhance head-to-tape contact critical for program fidelity



ANALOG

AVX/IRC

AUDIO

IEC TYPE 1 PROFESSIONAL AUDIO CASSETTE

AVX/IRC TECHNICAL DATA

	Units	Typical Values	<i>C10 through C60</i>	<i>C90 Only</i>	<i>C120 Only</i>
<i>Magnetic Properties</i>					
Coercivity	Oe (kA/m)	360 (28.7)	360 (28.7)	360 (28.7)	360 (28.7)
Retentivity	Gs (mT)	1400 (140)	1400 (140)	1400 (140)	1600 (160)
<i>Physical Properties</i>					
Standard Width	in (mm)	0.150 (3.8)	0.150 (3.8)	0.150 (3.8)	0.150 (3.8)
Nominal Thickness:					
Base film	μ" (μm)	450 (11.4)	290 (7.4)	230 (5.8)	230 (5.8)
Oxide Coating	μ" (μm)	220 (5.6)	170 (4.3)	120 (3.1)	120 (3.1)
Total	μ" (μm)	670 (17.0)	460 (11.7)	350 (8.9)	350 (8.9)
<i>Performance Properties</i>					
Maximum Output Level:					
@ 315 Hz	dB	+5.0	+3.5	+0.5	+0.5
@ 10 k Hz	dB	-8.0	-8.0	-8.0	-8.0
Sensitivity:					
@ 315 Hz	dB	+0.5	-0.5	-3.5	-3.5
@ 10 kHz	dB	-1.0	-1.0	-3.0	-3.0
Signal-to-noise Ratio	dB	59.0	57.0	54.0	54.0
Third Harmonic					

AVX/IRC CONFIGURATIONS

Catalog Number	Description	Tape Length Feet / Meters	Carton Weight Lbs / Kgs	Carton Quantity
<i>AVX Packaged / Bulk</i>				
AVX-C20PB	20 minutes, clear Norelco box (4 inner boxes of 10 each)	103 31.4	6.1 2.76	40
AVX-C30PB	30 minutes, clear Norelco box (4 inner boxes of 10 each)	150 45.7	6.2 2.81	40
AVX-C46PB	46 minutes, clear Norelco box (4 inner boxes of 10 each)	215 65.5	6.4 2.90	40
AVX-C60PB	60 minutes, clear Norelco box (4 inner boxes of 10 each)	290 88.4	6.5 2.96	40
AVX-C90PB	90 minutes, clear Norelco box (4 inner boxes of 10 each)	431 131.4	6.7 3.04	40
AVX-C120PB	120 minutes, clear Norelco box (4 inner boxes of 10 each)	572 174.3	6.6 3.00	40
AVX-C10BB	10 minutes, bulk	56 17.1	29.7 13.47	400
AVX-C20BB	20 minutes, bulk	103 31.4	31.1 14.13	400
AVX-C30BB	30 minutes, bulk	150 45.7	32.5 14.75	400
AVX-C46BB	46 minutes, bulk	215 65.5	34.3 15.55	400
AVX-C60BB	60 minutes, bulk	290 88.4	36.3 16.50	400
AVX-C90BB	90 minutes, bulk	431 131.4	37.9 17.20	400
AVX-C120BB	120 minutes, bulk	572 174.3	37.3 16.91	400
<i>IRC Packaged / bulk</i>				
IRC-C30PB	30 minutes, clear Norelco box (4 inner boxes of 10 each)	150 45.7	6.12 2.77	40
IRC-C60PB	60 minutes, clear Norelco box (4 inner boxes of 10 each)	290 88.4	6.5 2.96	40
IRC-C90PB	90 minutes, clear Norelco box (4 inner boxes of 10 each)	431 131.4	6.70 3.03	40
IRC-C30BB	30 minutes, bulk	150 45.7	33.6 15.24	400
IRC-C60BB	60 minutes, bulk	290 88.4	35.6 16.14	400
IRC-C90BB	90 minutes, bulk	431 131.4	37.6 17.05	400