

MRX 3/4" U-Matic Video Cassettes

Memorex Video Cassettes provide clear, sharp video recordings with excellent color resolution on all 3/4" video cassette recorders.

Memorex 3/4" Video Cassettes are fully compatible with all 3/4" standard and still-frame video cassette recorders and in-cassette duplicating equipment. MEMOREX HAS INCORPORATED BOTH NORMAL AND STILL-FRAME CAPABILITIES INTO ONE SERIES OF VIDEO CASSETTES—no worry about cassette or programming obsolescence with newer still-frame recorders!!

Memorex Cassettes are packaged in a sturdy plastic book shelf album and are available in 10, 15, 20, 30, 40, 50 and 60-minute lengths. Also, available in mini format for portable video recording applications.

From beginning to final product packaging, Memorex's rigid quality control standards govern product quality.

MEMOREX

MRX 3/4" U-Matic Video Cassettes



Video Cassette Technical Data

Test data and methodology indicated herein conducted on Memorex reference VTR and ancillary test equipment.

Performance

Video Signal-to-Noise Ratio¹
Capable of exceeding 48 dB

Dropouts²
20/min. maximum average

Tape Life (Durability)³
Capable of exceeding 1000 passes

Still-Frame Time⁴
Capable of exceeding 200 minutes

Audio Uniformity⁵
± 1 dB

Magnetic Properties*

Oxide Orientation
Longitudinal

Intrinsic Coercive Force (H_{ci})
500 Oersteds Nominal

Retentivity (B_r)
1300 Gauss Nominal

Physical Properties

Base Material
Precision Polyester

Total Thickness
.0011 Inches Nominal .0282 mm Nominal

Ultimate Tensile Strength
24,000 PSI 165.5 Newtons/Sq. mm

Yield Strength
Stress elongation, F5
13,500 PSI 93.1 Newtons/Sq. mm

Width
0.748" ± .001" 19,000 mm ± .025 mm

MODEL	TAPE LENGTH	PLAYING TIME	WEIGHT*	CASSETTES PER CARTON
MRX UCA-10	237 feet 72 meters	10 minutes	1.44 pounds 538 grams	12
MRX UCA-15	328 feet 100 meters	15 minutes	1.50 pounds 560 grams	12
MRX UCA-20	424 feet 129 meters	20 minutes	1.55 pounds 578 grams	12
MRX UCA-30	611 feet 186 meters	30 minutes	1.66 pounds 620 grams	12
MRX UCA-40	798 feet 243 meters	40 minutes	1.70 pounds 635 grams	12
MRX UCA-50	984 feet 300 meters	50 minutes	1.80 pounds 672 grams	12
MRX UCA-60	1175 feet 358 meters	60 minutes	1.93 pounds 720 grams	12
MRX UCS-20	424 feet 129 meters	20 minutes	1.22 pounds 455 grams	12

*UCA Cassettes in plastic album; UCS cassettes in vinyl album.

NOTES

1. Video Signal-to-Noise Ratio
The signal-to-noise ratio is the ratio of the RMS noise to .714 volts peak-to-peak non-composite video, and expressed in dB is equal to 20 Log .714/Noise RMS volts. The signal is a composite grey level of 50 IRE units. The ratio is measured at the output of the video tape recorder by a Rhode and Schwartz UPSF Standard M (USA) Video Noise Meter.

2. Dropouts
A dropout is a loss of RF signal and is of a random rather than a repetitive nature. Dropouts are counted electronically on playback of a color signal which has been recorded at the optimum record current and equalization with tip penetration maintained at equipment manufacturer's new product specification.

3. Tape Life
Tape life is measured under laboratory conditions using an automatically programmed test. Failure is defined either as a significant increase in dropout activity (in excess of 30 per minute) or binder degradation resulting in a 3 dB loss in RF output.

4. Still-Frame Time
Stop-motion capability varies from one type recorder to another, from one head to another in the same recorder, with head-tip contour, with tip penetration, with tape transport tensions, and with temperature and relative humidity.

5. Audio Output Uniformity
The output of all 3/4" Video Cassette tape will fall within a tolerance of ± 1 dB throughout the length of the reel and from reel to reel.

6. Magnetic Properties
Coercive force and retentivity are intrinsic values measured in the longitudinal direction using a 60 Hz magnetizing force of 1000 oersted amplitude.

WARRANTY

This video cassette is warranted by Memorex to be free from defects in materials or manufacture and, if defective, will be replaced upon its return with proof of purchase to the place of purchase within (90) days from the date of purchase. The determination of the fitness or suitability for a specific use is the responsibility of the buyer or user. THIS WARRANTY IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS, AND NEITHER THE MANUFACTURER, NOR ANY AUTHORIZED DISTRIBUTOR SHALL BE LIABLE FOR ANY DIRECT OR CONSEQUENTIAL DAMAGE, INJURY, OR LOSS ARISING OUT OF OR INCIDENT TO THE USE OF OR INABILITY TO USE THE SUBJECT PRODUCT.

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