

MRX XL 3600

COMPUTER TAPE SPECIFICATIONS

RELIABILITY YOU CAN COUNT ON

To make sure MRX XL 3600 delivers Memorex reliability, we test to ensure compatibility at both 1600 and 6250 cpi. Then we wind it on a SuperReel II hub, whose I-beam construction is specifically designed for uniform support across the entire wind surface, thereby reducing flange deformation and tape edge damage.



A HIGHER STANDARD OF ARCHIVAL EXCELLENCE

When your applications require longer length storage capacity and outstanding performance, you need the best. Luckily, the best is here. It's MRX XL 3600, the long-length archival computer tape that's tested to deliver zero read and zero permanent write errors at 1600 cpi, and system compatibility at 6250 cpi.

MORE THAN YOU CAN IMAGINE

Imagine an extra long, high-quality archival tape that consistently auto-loads. One with a 1.17 base film to enhance signal output and minimize head wear, all while easily meeting the required E-value. One that undergoes more than 70 quality checks to ensure consistently superior performance. That's MRX XL 3600.

10 YEARS OF TROUBLE-FREE PERFORMANCE

Since MRX XL 3600 is such a superior long-length tape, we've decided to back it with a superior

long-length warranty — a **limited 10-year warranty** on all defects in materials and workmanship.

THE COMPUTER HISTORY MUSEUM



MEMOREX®

MRX XL 3600

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Physical Properties

Base Film: Oriented Polyethylene Terephthalate

Base Film Thickness: 1.17 mils nominal

Total Thickness: 1.3 mils nominal

E-Value: Min. 0.25" (0.64cm)

Width: 0.498" \pm 0.002"
(1.26cm \pm 0.005cm)

Length: Nominal 3600' (1097.3m)
between markers

Marker Placement

BOT: 16' \pm 2' (4.88m \pm 0.61m)

EOT: 25' + 5' - 0'

(7.62m + 1.62m - 0m)

Splices: None

Creases: None

Toxicity: Non-toxic

Flammability: Self-extinguishing
in a still CO₂ atmosphere

Compatibility: Not an inhibitor

Longitudinal Curvature: 0.125"
(0.32cm) maximum per 36"
(91.4cm)

Yield Strength Min: 7.0 lbs. at 3%

Moment of Inertia: Max. 562 oz.
in² (10.3 g · m²)

Layer-to-Layer Adhesion: None

Surface Roughness: 1-4 μ " CLA
nominal

Cupping: Less than 0.010"
(0.025cm) of 0.25" (0.64cm)
length/0.5" (1.27cm) width

Performance Characteristics

Prior to shipment, each reel of tape has been 100% tested to assure minimum system performance as follows:

- zero read errors
- zero permanent write errors
- zero gross errors

Memorex internal test conditions are as follows:

- 1600 cpi tested at 35% signal remaining with respect to NBS SRM-3200

Surface Resistance: (Magnetic Coating): 0.5-500 megohms per square

Signal Output Level Relative to NBS Standards:

- 1600 cpi +25/-10%
- 6250 cpi +/-40%

Ease of Erasure: Less than 4% signal at 1600 cpi

Exclusive Noise Errors: 0

Dynamic Skew: Max 1.1 μ sec at 200 ips (5.08 mps)

Start/Stop Times: Meets all IBM 729, 2400, 3400 requirements

Environmental Characteristics

Operating:

Temperature: 60°-90°F
(16°-32°C)

Humidity: 20-80% RH

Optimum Operating Temperature and Humidity: 65°-75°F
(18°-24°C) and 40-60% Relative Humidity

Storage: Recorded same as unrecorded except maximum temperature is 90°F (32°C)

Temperature: 40°-120°F
(5°-48°C)

Humidity: 20-80% RH

Maximum Wet Bulb: 78°F
(26°C)

Recommended Storage Temperature: 75° \pm 9°F
(24° \pm 5°C)

(Tape stored outside the recommended environment should be acclimated at the operating conditions for 24 hours prior to use.)



MEMOREX[®]
COMPUTER SUPPLIES

1200 Memorex Drive
Santa Clara, CA 95050-2869
1-800-CALL-MRX

MEMOREX MRX XL 3600 COMPUTER TAPE WARRANTY

Memorex has verified the performance of each reel of MRX XL 3600 Computer Tape and warrants that it is free from defects in material and workmanship for a period of

TEN YEARS

from date of purchase. Memorex Corporation shall not be responsible for damage resulting from neglect, misuse, improperly adjusted or maintained tape drives or ancillary equipment, or incorrect environments or from wear and tear from ordinary use.

Tapes thought to be defective should be returned, prepaid, to Memorex Corporation, Santa Clara, California, according to prior written authorization of a sanctioned representative of Memorex Corporation. Memorex will test the tape and, if found to be defective, it will be replaced with an equivalent reel of tape at no cost to the purchaser.

If Memorex Corporation determines the MRX XL 3600 Computer Tape is not defective or has been damaged through the user's misuse as previously described, the tape will be returned to the user, freight collect.

THE FOREGOING WARRANTY IS IN LIEU OF ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. EXCEPT AS STATED ABOVE, MEMOREX CORPORATION WILL NOT BE LIABLE FOR DAMAGES ARISING OUT OF USE OF THE TAPE INCLUDING, WITHOUT LIMITATION, INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR BOTH.

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