



DLTtape® III/IIIxt/IV

The Standard in Performance,
Reliability, and Durability

The DLTtape System

With the volume of information increasing exponentially, dependable recording and preservation of data is crucial to the successful operation of a corporation. One of the most critical links in this process is the quality of the backup tape itself. The Quantum DLTtape® family of half-inch cartridge tapes, designed and formulated specifically for Quantum DLTtape drives, delivers what you need: Proven performance and durability.

Built to the Highest Standards

Quantum DLTtape Technology takes advantage of the latest advances in binder chemistry with its unique high-grade metal particle (MP) formulation. By combining both solid and liquid lubricants in the tape binder system, tape and head wear are reduced while repelling airborne particles that could affect read/write head performance. In addition, by using a uniform particle shape, a dense binding system, a smooth coating surface, and a specially selected base film, Quantum DLTtape half-inch cartridge tapes take advantage of shorter wave-length recording schemes to ensure read compatibility with future generations of DLTtape drives.

Total Quality Control

Quantum DLTtape half-inch cartridge tapes are manufactured using the highest level of quality control, thorough in-process certification, and frequent audits. Sample tapes from each lot are tested according to the most stringent standards, including a write/read test using the interchange format proposed by ANSI X3B5 and adapted by ECMA and ISO.

UP TO 80GB COMPRESSED CAPACITY

FAMILY OF PROVEN MEDIA

FEATURES AND BENEFITS

- High performance — Up to 80GB of storage per tape with data compression
- Demonstrated durability — One million passes with a negligible impact on soft error rates and a 30-year archival life
- Accurate — Patented tape leader delivers consistent tape motion while a unique tape/reel locking mechanism prevents tape slack
- Rugged design — Shock-resistant cartridge combined with a durable plastic container that protects against corrosion

Quantum Quality and Reliability

Ongoing accelerated tests show that Quantum DLTtape cartridges can exceed one million passes with a negligible impact on soft error rates and a 30-year archival life. You're making a quality decision when you choose

Quantum DLTtape half-inch cartridge tapes. Approved by Quantum for use in all Quantum DLTtape drives and libraries, Quantum DLTtape half-inch cartridges are backed by a limited lifetime warranty.

COMPATIBILITY

Media	Recorded Format	Capacity (native)	DLT 2000	DLT 2000XT	DLT 4000	DLT 7000	DLT 8000	DLT1/VS80
DLTtape III	DLT 2000	10GB	1.25MB/sec	1.25MB/sec	1.5MB/sec	1.5MB/sec	1.5MB/sec	N/A
DLTtape III XT	DLT 2000XT	15GB	N/A	1.25MB/sec	1.5MB/sec	1.5MB/sec	1.5MB/sec	N/A
DLTtape IV	DLT 4000	20GB	N/A	N/A	1.5MB/sec	1.5MB/sec	1.5MB/sec	1.5MB/sec
DLTtape IV	DLT 7000	35GB	N/A	N/A	N/A	5.0MB/sec	5.0MB/sec	N/A
DLTtape IV	DLT 8000	40GB	N/A	N/A	N/A	N/A	6.0MB/sec	N/A
DLTtape IV	DLT1/VS80	40GB	N/A	N/A	N/A	N/A	N/A	3.0MB/sec

TAPE CHARACTERISTICS

	III	IIIxt	IV
Tape Type:	Metal particle	Metal particle	Metal particle
Overall Length (feet):	1,200	1,828	1,828
Data Area Length (feet):	1,167	1,780	1,780
Tape Width (inches):	0.498	0.498	0.498
Tape Thickness (m inches):	536	360	360

MAGNETIC PROPERTIES

Coercivity (Oe):	1,540	1,540	1,850
Remanence (G):	2,600	2,600	2,900

PHYSICAL SPECIFICATIONS

Width inches (mm):	4.16 (105.6)	4.16 (105.6)	4.16 (105.6)
Length inches (mm):	4.15 (105.3)	4.15 (105.3)	4.15 (105.3)
Height inches (mm):	1.0 (25.4)	1.0 (25.4)	1.0 (25.4)
Weight-pounds (kg):	7.7 (3.5)	7.85 (3.53)	7.85 (3.53)
Color:	Light Brown	White	Dark Brown

TAPE LIFE

Archive Storage (years): (with less than 5% loss in demagnetization (at 20° C and 40% non-condensing humidity))	>20	>30	>30
Durability: (average 1,000,000 head passes in typical office/computer environment)	500,000	1,000,000	1,000,000

ENVIRONMENTAL

Operating	
Ambient Temperature:	50°F to 104°F (10°C to 40°C)
Relative Humidity:	20% to 80% Non-Condensing
Maximum Wet Bulb Temperature:	77°F (25°C)
Storage (non-archival)	
Temperature:	61°F to 90°F (16°C to 32°C)
Relative Humidity:	20% to 80% Non-Condensing
Maximum Wet Bulb Temperature:	78°F (26°C)
Storage (archival)	
Temperature:	64°F to 79°F (18°C to 26°C)
Relative Humidity:	40% to 60% Non-Condensing
Stay Magnetic Field (G): (strength impinging on any point on the cartridge)	<4,000

WARRANTY

Quantum DLTtape half-inch cartridge tapes are free from defects in material and manufacture at the time of purchase. This limited lifetime warranty extends to the original end-user purchaser of the product and is not assignable or transferable to any subsequent purchaser or end-user.

Model Numbers and Descriptions

THXKC-02	DLTtape III Media Cartridge
THXKE-01	DLTtape III XT Media Cartridge
THXKD-02	DLTtape IV Media Cartridge
THXHC-02	CleaningTape III Cartridge (Use with DLT 2000, DLT 2000XT, DLT 4000, DLT 7000, DLT 8000 tape drives)
BHXHC-02	DLT VS Cleaning Cartridge (Use with DLT1 and DLT VS80 tape drives)

 For contact and product information, visit quantum.com or call **800-677-6268**

Quantum®

Backup. Recovery. Archive. It's What We Do.

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About Quantum

Quantum Corp. is the leading global storage company specializing in backup, recovery and archive. Combining focused expertise, customer-driven innovation, and platform independence, Quantum provides a comprehensive range of disk, tape, media and software solutions supported by a world-class sales and service organization. As a long-standing and trusted partner, the company works closely with a broad network of resellers, OEMs and other suppliers to meet customers' evolving data protection needs.