

High Bit Density PCM Instrumentation Tape



These tapes are designed for optimal performance on IRIG instrumentation tape recording systems. The construction and formulation of these tapes has been engineered for consistent performance with previous generations of instrumentation tape

Certified 100 % end-to-end testing of every reel

Ordering Information					
Tape Width Inches	Tape Length Feet	Reel Size Inches	Sypris Part Number	Cross Reference to Previous Quantegy® Part Number	Sold in cartons Of
High Bit Density PCM Instrumentation Tape					
1/2	4,600	10.5	16785378-008	799-27GJ11	6
1/2	9,200	14	16785378-010	799-29GK11	6
1.0	4,600	10.5	16785378-002	799-57GJ11	4
1.0	9,200	14	16785378-004	799-59GK11	4



Magnetic Properties

Coercivity	320 Oe	25.5 kA/m
Retentivity	1,450 Gs	145 mT
Erase Field	1000 Oe	80 kA/m

Physical Properties

Standard Width:		
	½"	12.7 mm
	1"	25.4 mm
Nominal Thickness:		
Base Film	790 u"	20 um
Oxide Coating	135 u"	3.4 um
Backcoating	40 u"	1 um
Total	965 u"	24.4 um

Performance Properties

Sensitivity		
200 kHz 120 IPS		-0.5 ± 1 dB
Wavelength Response		
1000 u" 25.3 um		-0.0 ± 1 dB
250 u" 6.3 um		-0.5 ± 1 dB
125 u" 3.2 um		-0.5 ± 1 dB
100 u" 2.5 um		-0.5 ± 1 dB
80 u" 2.1 um		-1.0 ± 1 dB
60 u" 1.5 um		-1.0 ± 1 dB
Backcoat Resistivity		2 x 10 ⁶ ohms/sq
Uniformity, Long & Short Term PCM Dropouts*		<4 Avg. # per 100' edge tracks and center track

Environmental Properties

Operating Conditions	40°- 120° F (4°- 49° C); 35 to 65% RH
Storage Conditions	40°- 90° F (4°- 32° C); <40 % RH

* PCM dropout = a 12dB loss of signal output for a period of 1 microsecond when recording and playing back a 1.0 MHz signal at 120 ips.

PROVISIONAL RELEASE

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