



ELECTRICAL

IMPEDANCE: 100 ± 5 Ω (DIFFERENTIAL TDR)
 CAPACITANCE: 43 pF / M NOMINAL
 PROP DELAY: 4.35 ns / M NOMINAL
 SKEW (WITHIN PAIR): ≤ 50 ps / 4 M (TDT METHOD, DRAIN GROUNDED)
 (DIFFERENTIAL 50%-50%, TEKTRONIX TDS-8000 OR 11801)
 SKEW (PAIR/PAIR): ≤ 300 ps / 4 M (TDT METHOD, DRAINS GROUNDED)
 (DIFFERENTIAL 50%-50%, TEKTRONIX TDS-8000 OR 11801)
 ATTENUATION (MAXIMUM):
 1.12 dB / M @ 625 MHz (1.06 dB TYPICAL)
 1.51 dB / M @ 1.00 GHz (1.40 dB TYPICAL)
 1.65 dB / M @ 1.25 GHz (1.53 dB TYPICAL)
 2.23 dB / M @ 2.00 GHz (2.03 dB TYPICAL)
 2.55 dB / M @ 2.50 GHz (2.32 dB TYPICAL)
 2.90 dB / M @ 3.00 GHz (2.58 dB TYPICAL)
 3.10 dB / M @ 3.75 GHz (2.76 dB TYPICAL)
 3.40 dB / M @ 4.00 GHz (3.04 dB TYPICAL)
 4.00 dB / M @ 5.00 GHz (3.57 dB TYPICAL)
 5.34 dB / M @ 7.50 GHz (4.77 dB TYPICAL)
 6.72 dB / M @ 10.0 GHz (6.00 dB TYPICAL)

SHIELD ISOLATION: OVERALL SHIELDS ISOLATED FROM PAIR SHIELDS
 NEAR END CROSSTALK: BETTER THAN -55 dB @ 1.25 GHz, ONE AGGRESSOR (-65 dB TYPICAL)

ALL DIMENSIONS ARE INCHES UNLESS OTHERWISE NOTED

PHYSICAL

(24) SHIELDED PARALLEL PAIRS
 30 AWG SOLID SILVER PLATED COPPER
 .0285 NOM DIAMETER FOAM POLYOLEFIN, NATURAL
 PARALLEL PAIR WITH DRAIN: 30 AWG SOLID TINNED COPPER
 .001 ALUMINIZED POLYESTER, FOIL IN, 20% MIN OVERLAP,
 WHITE, NUMBERED 1 THRU 8 ON SIDE OPPOSITE DRAIN
 YELLOW, NUMBERED 9 THRU 16 ON SIDE OPPOSITE DRAIN
 BLUE, NUMBERED 17 THRU 24 ON SIDE OPPOSITE DRAIN
 CLEAR POLYESTER, HEAT SEALED
 CABLING: TWISTED TO ROUND, FILLER & BINDER AS REQUIRED
 BUFFER: POLYOLEFIN TAPE
 OVERALL SHIELD {1}: .001 ALUMINIZED POLYESTER, FOIL OUT,
 20% MIN OVERLAP (.300 REF DIAMETER)
 OVERALL SHIELD {2}: 36 AWG TINNED COPPER BRAID, 85% MIN COVERAGE
 JACKET: .030 NOM WALL PVC, BLACK
 DIAMETER: .385 ± .015
 PRINT LEGEND: AMPHENOL SPECTRA-STRIP SKEWCLEAR® 24 PAIR 30 AWG
 (UL) 75°C CL2 CSA AWM I/II A 75°C 300V FT4
 ROHS COMPLIANT <LOT CODE>

CONFORMANCE: UL CL2 CSA FT4 75°C
 RoHS COMPLIANT

REVISION	CHANGES
5	RoHS
A	LEGEND, IMPROVE SKEW, MAXIMUM ATTEN
B	REMOVE TINT
C	ATTENUATION

DRAWN BY GPV 03-26-02	PROD ENG	QA	MKT	ECN # 7646	DRAWING NO. 166-3099-994	AMPHENOL SPECTRA-STRIP 720 SHERMAN AVENUE TEL (203) 281-3200 HAMDEN CT 06514 FAX (203) 281-5872	Rev C
					TITLE: (24) SHIELDED PAIRS, 100 OHM, 30 AWG RoHS SKEWCLEAR®		Sheet 1 of 1