



NUMBERS CLOKED IN EACH LAYER, NUMBERS FACING OUT

ELECTRICAL

IMPEDANCE: $100 \pm 5 \Omega$ (DIFFERENTIAL TDR)
 CAPACITANCE: 42 pF / M NOMINAL
 PROP DELAY: 4.25 ns / M NOMINAL
 SKEW (WITHIN PAIR): $\leq 50 \text{ ps} / 5 \text{ M}$ (TDT METHOD, DRAIN GROUNDED)
 (DIFFERENTIAL 50%-50%, TEKTRONIX TDS-8000 OR 11801)
 SKEW (PAIR/PAIR): $\leq 300 \text{ ps} / 5 \text{ M}$ (TDT METHOD, DRAINS GROUNDED)
 (DIFFERENTIAL 50%-50%, TEKTRONIX TDS-8000 OR 11801)
 ATTENUATION (MAXIMUM): 0.93 dB / M @ 625 MHz (0.87 dB TYPICAL)
 1.38 dB / M @ 1250 MHz (1.26 dB TYPICAL)
 2.65 dB / M @ 3750 MHz (2.27 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)

PHYSICAL

(24) SHIELDED PARALLEL PAIRS
 28 AWG SOLID SILVER PLATED COPPER
 .0355 NOM DIAMETER FOAM POLYOLEFIN, ONE NATURAL, OTHER RED TINT
 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 (.350 REF DIAMETER)
 OVERALL SHIELD {2}: 36 AWG TINNED COPPER BRAID, 85% MIN COVERAGE
 JACKET: .035 NOM WALL PVC, BLACK
 DIAMETER: $.445 \pm .015$
 PRINT LEGEND: AMPHENOL SPECTRA-STRIP SKEWCLEAR® 24 PAIR 28 AWG
 (UL) 75° C CL2 CSA AWM I/II A 75° C 300V FT4
 ROHS COMPLIANT 166-2899-993 REV B <DATE CODE>

CONFORMANCE: UL CL2 CSA FT4 75°C
 RoHS COMPLIANT

ALL DIMENSIONS ARE INCHES UNLESS OTHERWISE NOTED

REVISION	CHANGES
A	RELEASE, RoHS
B	LEGEND, IMPROVE SKEW

DRAWN BY GPV 01-28-02	PROD ENG	QA	MKT	P/ECN # 1151	DRAWING NO. 166-2899-993 TITLE: (24) SHIELDED PAIRS, 100 OHM, 28 AWG RoHS SKEWCLEAR®	AMPHENOL SPECTRA-STRIP 720 SHERMAN AVENUE HAMDEN CT 06514	TEL (203) 281-3200 FAX (203) 281-5872	Rev B Sheet 1 of 1
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