



CONFIDENTIAL

PHYSICAL

(8) SHIELDED PARALLEL PAIRS  
 24 AWG SOLID SILVER PLATED COPPER  
 .056 NOM DIAMETER FOAM POLYOLEFIN, WHITE  
 PARALLEL PAIR WITH DRAIN: 26 AWG SOLID SILVER PLATED COPPER  
 .001 ALUMINIZED POLYESTER, SPIRAL, FOIL IN, 20% MIN OVERLAP,  
 WHITE, NUMBERED 1 THRU 8 ON SIDE OPPOSITE DRAIN  
 .0005 POLYESTER, SPIRAL, 20% MIN OVERLAP, HEAT SEALED  
 CABLING: TWISTED TO ROUND, FILLER PERMITTED  
 BINDER: POLYOLEFIN TAPE, SPIRAL  
 OVERALL SHIELD {1}: .001 ALUMINIZED POLYESTER, SPIRAL, FOIL OUT,  
 20% MIN OVERLAP (.290 REF DIAMETER)  
 OVERALL SHIELD {2}: 36 AWG TINNED COPPER BRAID, 85% MIN COVERAGE  
 JACKET: .030 NOM WALL PVC, BLACK  
 DIAMETER: .375 ± .015  
 PRINT LEGEND: AMPHENOL SPECTRA-STRIP SKEWCLEAR® 8 PAIR 24 AWG  
 (UL) 75° C CL2 CSA AWM I/II A 75° C 300V FT4  
 166-2499-998 REV 6 InfiniBand 4X

ELECTRICAL

IMPEDANCE: 100 ± 5 Ω (DIFFERENTIAL TDR)  
 CAPACITANCE: 42 pF / M NOMINAL  
 PROP DELAY: 4.25 ns / M NOMINAL  
 SKEW (WITHIN PAIR): ≤ 100 ps / 7.5 M (TDT METHOD PER QAP 6-14, DRAIN GROUNDED)  
 (DIFFERENTIAL 50%-50%, TEKTRONIX 11801 OR TDS-8000)  
 NEAR END CROSSTALK: BETTER THAN -55 dB @ 1.25 GHz (-65 dB TYPICAL)  
 ATTENUATION (NOMINAL):  
 0.56 dB / M @ 625 MHz      0.92 dB / M @ 1562 MHz  
 0.81 dB / M @ 1250 MHz      1.34 dB / M @ 3125 MHz  
 1.19 dB / M @ 2500 MHz      1.99 dB / M @ 6250 MHz  
 1.75 dB / M @ 5000 MHz  
 SHIELD ISOLATION: OVERALL SHIELDS ISOLATED FROM PAIR SHIELDS

APPROVALS

UL / CSA: UL CL2 CSA FT4 75° C

REVISION	CHANGES
3	BUFFER, SHIELD {1}, DIAMETER, LEGEND
4	MAJOR REVISION
5	JACKET OD, SKEW LENGTH, LEGEND, NEXT
6	REF OD

ALL DIMENSIONS ARE INCHES UNLESS OTHERWISE NOTED

DRAWN BY <i>GPV</i> 4-20-01	PROD ENG	QA	MKT	P/ECN #	DRAWING NO. 166-2499-998	<b>AMPHENOL SPECTRA-STRIP</b> 720 SHERMAN AVENUE      TEL (203) 281-3200 HAMDEN CT 06514      FAX (203) 281-5872	Rev 6
					TITLE: (8) SHIELDED PAIRS, 100 OHM, 24 AWG		Sheet
					SKEWCLEAR® / InfiniBand 4X		1 of 1

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