



CONFIDENTIAL

**ELECTRICAL (SHIELDED PARALLEL PAIRS)**

IMPEDANCE: 100Ω ± 10% (DIFFERENTIAL TDR)  
 CAPACITANCE: 40 pF / M NOMINAL  
 PROP DELAY: 4.25 ns / M NOMINAL  
 SKEW (WITHIN PAIR): ≤ 150 ps / 15 M (TDT METHOD, DRAIN GROUNDED)  
 (DIFFERENTIAL 50%-50%, TEKTRONIX TDS-8000 OR 11801)  
 SKEW (PAIR/PAIR): ≤ 750 ps / 15 M (TDT METHOD, DRAINS GROUNDED)  
 (DIFFERENTIAL 50%-50%, TEKTRONIX TDS-8000 OR 11801)  
 ATTENUATION (NOMINAL): 0.23 dB / M @ 65 MHz (455 Mbps LVDS)  
 0.43 dB / M @ 227.5 MHz (455 Mbps LVDS)

**PACKAGING:** 40 FOOT MINIMUM LENGTH, FOUR LENGTHS MAXIMUM PER SPOOL

**CONFORMANCE:** RoHS COMPLIANT  
 -30°C to +75°C TEMPERATURE RATING

**PHYSICAL**

- (10) SHIELDED PARALLEL PAIRS  
 26 AWG 19/38 TINNED COPPER  
 .053 NOM DIAMETER FOAM POLYOLEFIN, ONE NATURAL, OTHER RED TINT  
 PARALLEL PAIR WITH DRAIN: 28 AWG 19/40 TINNED COPPER  
 .001 ALUMINIZED POLYESTER, FOIL IN, YELLOW, PRINT 1-10 ON SIDE  
 OPPOSITE DRAIN, NUMBERS CLOCKED  
 CLEAR POLYESTER, HEAT SEALED
- (7) 22 AWG SINGLES  
 22 AWG 19/34 TINNED COPPER  
 .052 NOM DIAMETER TPE, BK, BN, RD, OR, YL, GN, BU
- (2) 24 AWG SINGLES  
 24 AWG 19/36 TINNED COPPER  
 .039 NOM DIAMETER TPE, VI, GY
- (2) TWISTED PAIRS  
 24 AWG 19/36 TINNED COPPER  
 .039 NOM DIAMETER TPE  
 TWISTED PAIR, WH/BK, WH/BN
- (3) TWISTED TRIADS  
 24 AWG 19/36 TINNED COPPER  
 .039 NOM DIAMETER TPE  
 TWISTED TRIAD, GY/BK/BN, GY/RD/OR, GY/YL/GN
- CABLING: FILLER & BINDER AS REQUIRED, SINGLES COLORS CLOCKED
- BUFFER: POLYOLEFIN TAPE
- OVERALL SHIELD {1}: .001 ALUMINIZED POLYESTER, FOIL OUT
- OVERALL SHIELD {2}: 36 AWG TINNED COPPER BRAID, 85% MIN COVERAGE
- JACKET: .045 NOM WALL TPE, BLACK (82 SHORE A NOMINAL, 15 SECOND)
- DIAMETER: .550 ± .020
- PRINT LEGEND: AMPHENOL SPECTRA-STRIP SKEWCLEAR® 10 PAIR COMPOSITE  
 ROHS COMPLIANT 166-0099-968 REV 7 <DATE CODE>

ALL DIMENSIONS ARE INCHES UNLESS OTHERWISE NOTED

REVISION	CHANGES
4	JACKET DIAMETER
5	JACKET DIAMETER, ATTENUATION
6	JACKET DUROMETER
7	PACKAGING NOTE

DRAWN BY GPV 02-15-06	PROD ENG	QA	MKT	P/ECN #	DRAWING NO. 166-0099-968	<b>AMPHENOL SPECTRA-STRIP</b>	720 SHERMAN AVENUE HAMDEN CT 06514	TEL (203) 281-3200 FAX (203) 281-5872	Rev 7
					TITLE: (10) SHIELDED PAIR COMPOSITE CABLE RoHS SKEWCLEAR®				SHEET 1 of 1